

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS (SUMMARY SHEETS)

This attachment contains the summary sheets from the laboratory analytical reports prepared by Laucks Laboratories, Inc. (Laucks) in Seattle, Washington, and Columbia Analytical Services (CAS) in Canoga Park, California. Complete analytical reports are available upon request.

SAMPLE DATA

SDG # JPL15

Volatiles Analysis

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-001

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817013.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 13:05

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.67	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	5.1	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-001
 Lab File ID: Y0817013.D
 Date Collected: 08/15/2006
 Date/Time Analyzed: 08/17/2006 13:05
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.8	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-001

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817013.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 13:05

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-21-5

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-001

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817013.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

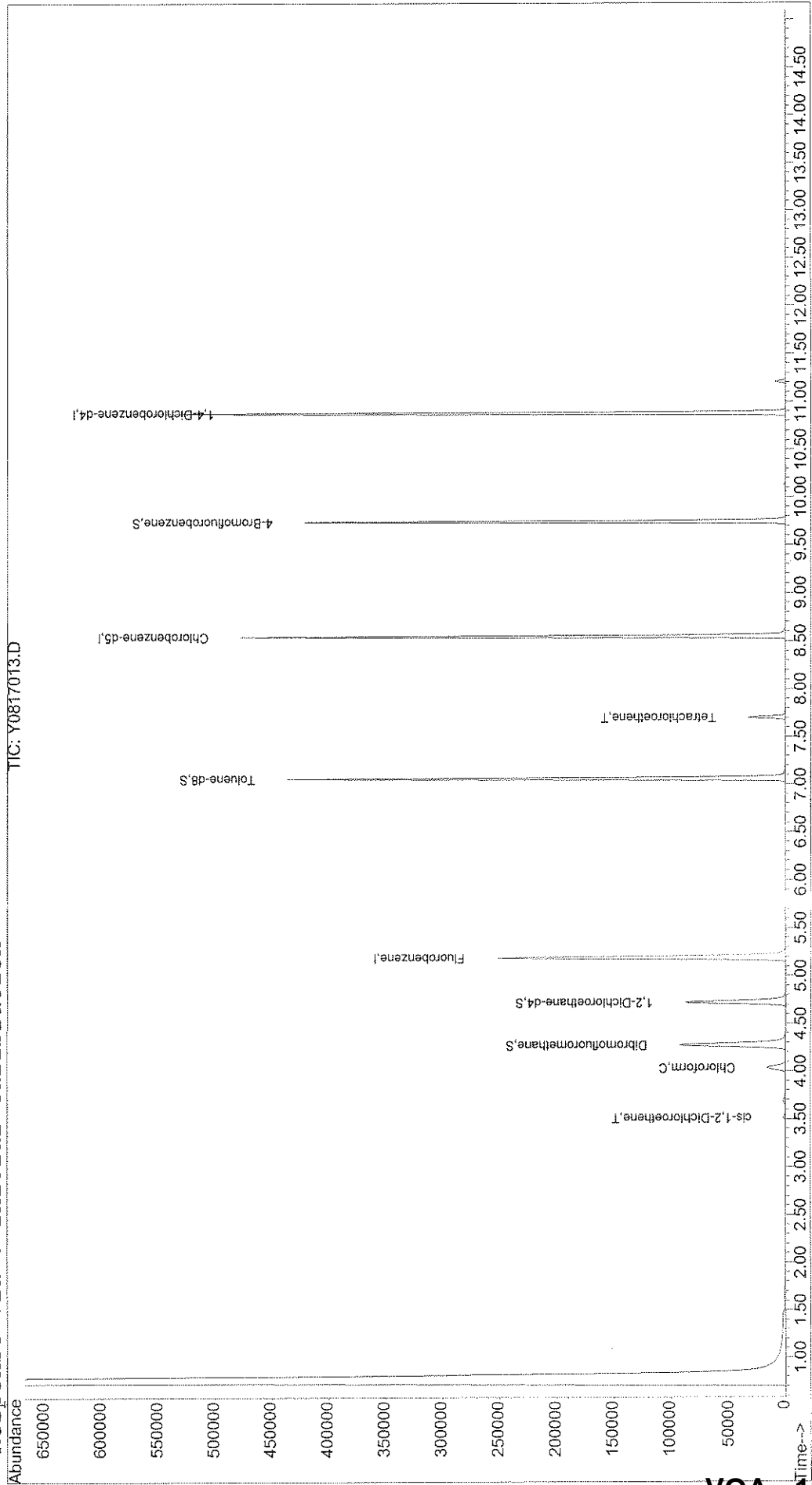
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817013.D Vial: 22
Acq On : 17 Aug 2006 13:05 Operator: LNW
Sample : JPL15-001 MW-21-5 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:12 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817013.D
 Acq On : 17 Aug 2006 13:05
 Sample : JPL15-001 MW-21-5
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:12 2006

Vial: 22
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.19	96	273263	50.00	ug/l	0.00 67.73%
50) Chlorobenzene-d5	8.55	82	121913	50.00	ug/l	0.00 72.76%
69) 1,4-Dichlorobenzene-d4	10.88	152	139242	50.00	ug/l	0.00 80.02%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	83306	50.11	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.73	65	80471	48.40	ug/l	0.00
51) Toluene-d8	7.06	98	272504	48.05	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	110097	47.22	ug/l	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	2.40	73	118	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.78	63	205	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	3.51	96	1574	0.67	ug/l	87

(#) = qualifier out of range (m) = manual integration
 Y0817013.D 8260B.M Fri Aug 18 07:12:09 2006

LNW 8/18/06
 Page 1
VOA - 19

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817013.D
 Acq On : 17 Aug 2006 13:05
 Sample : JPL15-001 MW-21-5
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:12 2006

Vial: 22
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.03	83	20877	5.12	ug/l ✓	99
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D. d	
42) Trichloroethene	5.66	130	755		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.06	43	892		N.D.	
52) Toluene	7.12	92	123		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.70	166	10940	3.75	ug/l ✓	98
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.72	91	54		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.85	106	118		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	55		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

YAR 8/18/06

(#) = qualifier out of range (m) = manual integration
 Y0817013.D 8260B.M Fri Aug 18 07:12:09 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817013.D
 Acq On : 17 Aug 2006 13:05
 Sample : JPL15-001 MW-21-5
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:12 2006

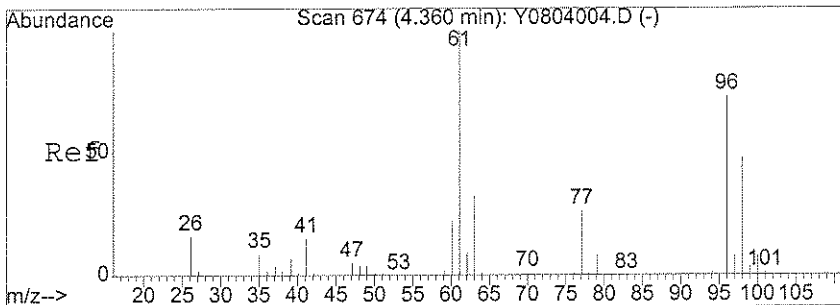
Vial: 22
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

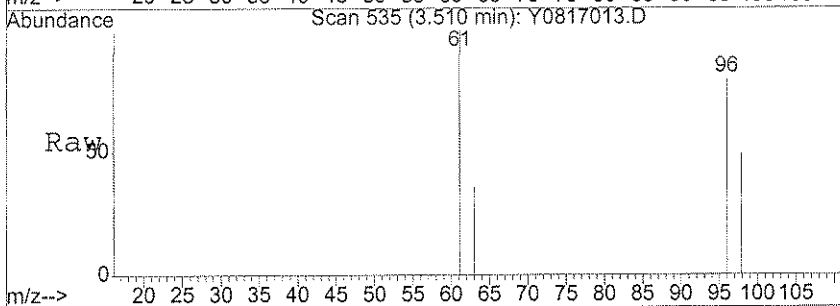
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	157		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.19	91	60		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	147		N.D.	
81) sec-butylbenzene	10.74	105	147		N.D.	
82) 4-Isopropyltoluene	10.89	119	368		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	53		N.D.	
85) n-Butylbenzene	11.29	91	246		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	55		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0817013.D 8260B.M Fri Aug 18 07:12:09 2006

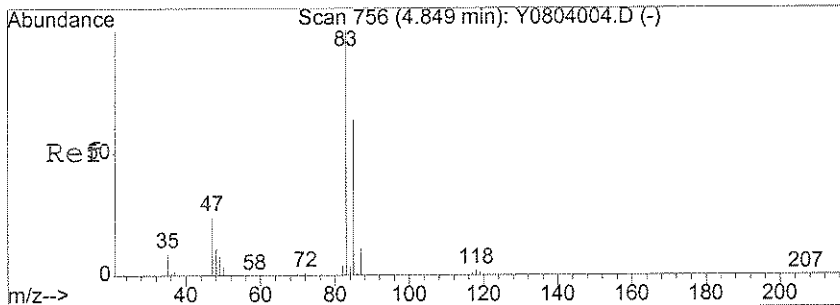
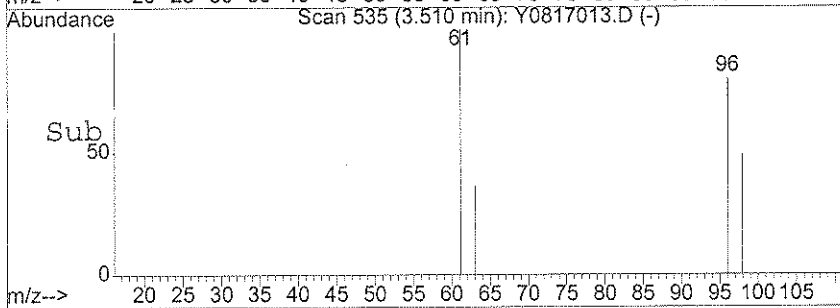
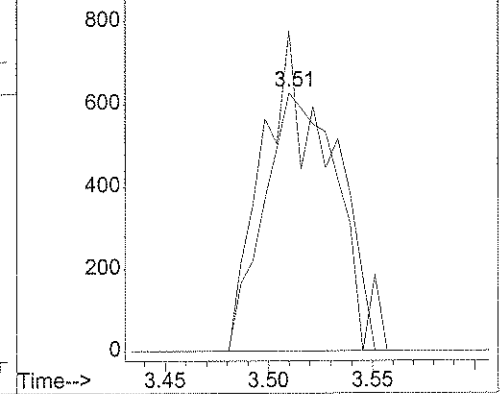


#26
 cis-1,2-Dichloroethene
 Concen: 0.67 ug/l
 RT: 3.51 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: Y0817013.D
 Acq: 17 Aug 2006 13:05

Tgt Ion: 96 Resp: 1574
 Ion Ratio Lower Upper
 96 100
 61 111.6 101.6 152.4

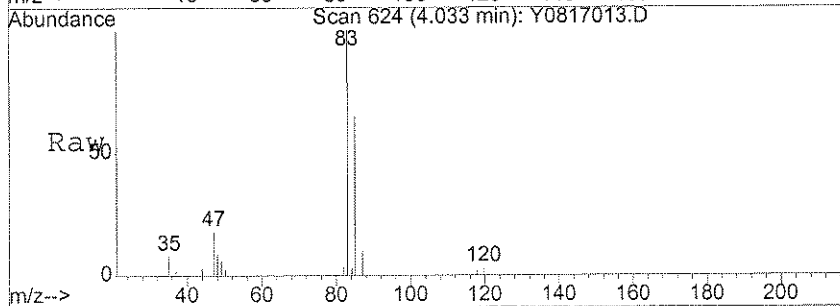


Abundance Ion 95.95 (95.65 to 96.65): Y0817013.D
 Ion 61.05 (60.75 to 61.75): Y0817013.D

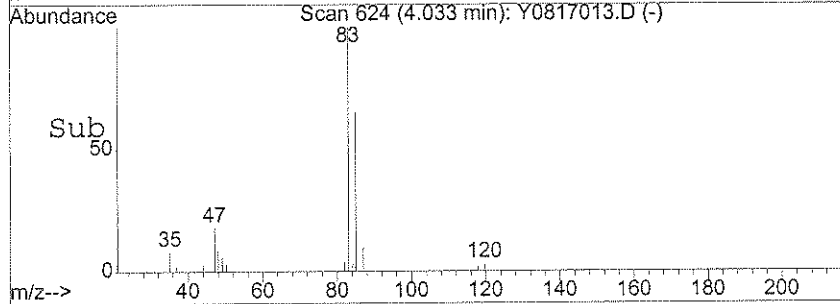
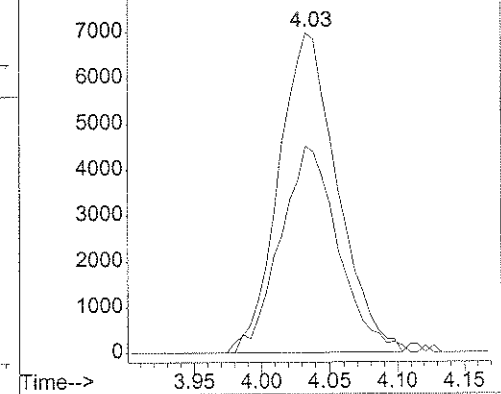


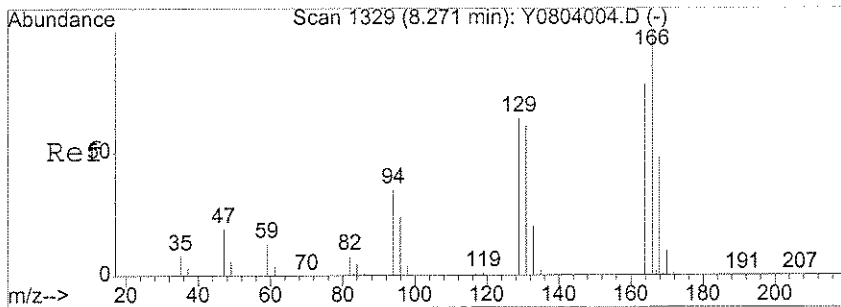
#31
 Chloroform
 Concen: 5.12 ug/l
 RT: 4.03 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: Y0817013.D
 Acq: 17 Aug 2006 13:05

Tgt Ion: 83 Resp: 20877
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.6 84.6



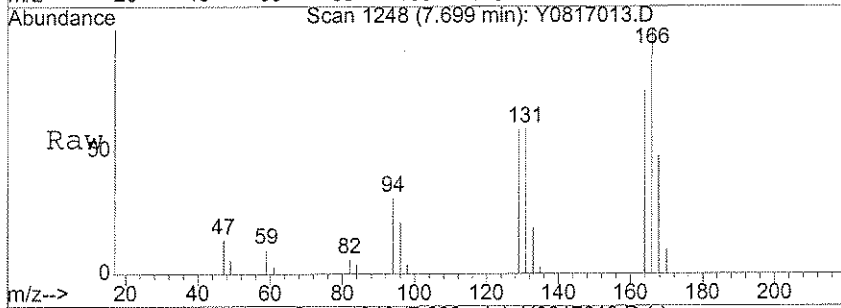
Abundance Ion 83.00 (82.70 to 83.70): Y0817013.D
 Ion 85.00 (84.70 to 85.70): Y0817013.D



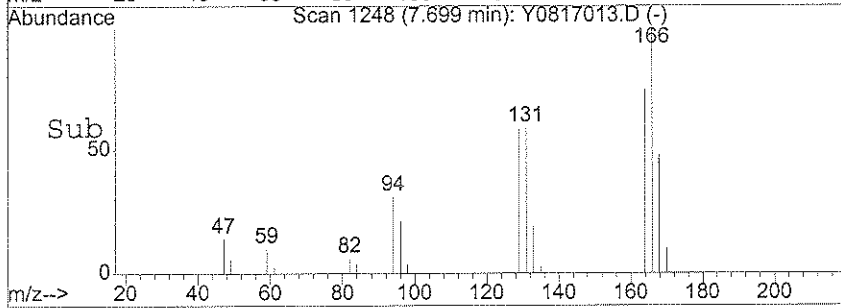
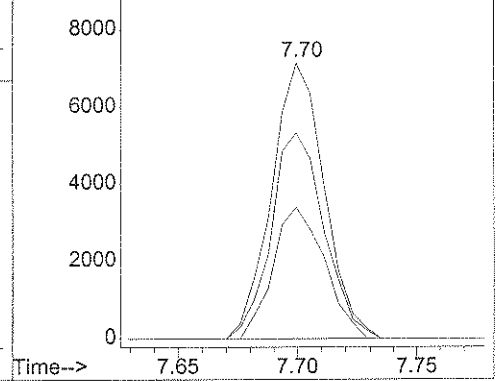


#56
 Tetrachloroethene
 Concen: 3.75 ug/l
 RT: 7.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: Y0817013.D
 Acq: 17 Aug 2006 13:05

Tgt Ion	Resp	Lower	Upper
166	10940		
164	75.0	61.7	92.5
168	46.7	38.6	57.8



Abundance Ion 165.95 (165.65 to 166.65): Y0817013.D
 Ion 163.95 (163.65 to 164.65): Y0817013.D
 Ion 167.95 (167.65 to 168.65): Y0817013.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817013.D Vial: 22
Acq On : 17 Aug 2006 13:05 Operator: LNW
Sample : JPL15-001 MW-21-5 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817013.D 8260B.M Fri Aug 18 07:12:16 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817014.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 13:30

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
75-71-8	Dichlorodifluoromethane	0.50		U
74-87-3	Chloromethane	0.50		U
75-01-4	Vinyl chloride	0.50		U
74-83-9	Bromomethane	0.50		U
75-00-3	Chloroethane	0.50		U
75-69-4	Trichlorofluoromethane	0.50		U
75-35-4	1,1-Dichloroethene	0.50		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		U
75-09-2	Methylene chloride	0.50		U
1634-04-4	Methyl tert-butyl ether	0.50		U
156-60-5	trans-1,2-Dichloroethene	0.50		U
75-34-3	1,1-Dichloroethane	0.50		U
594-20-7	2,2-Dichloropropane	0.50		U
156-59-2	cis-1,2-Dichloroethene	1.1		
78-93-3	2-Butanone	5.0		U
74-97-5	Bromochloromethane	0.50		U
67-66-3	Chloroform	4.4		
71-55-6	1,1,1-Trichloroethane	0.50		U
56-23-5	Carbon tetrachloride	0.50		U
563-58-6	1,1-Dichloropropene	0.50		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	0.50		U
79-01-6	Trichloroethene	0.50		U
78-87-5	1,2-Dichloropropane	0.50		U
74-95-3	Dibromomethane	0.50		U
75-27-4	Bromodichloromethane	0.50		U
10061-01-	cis-1,3-Dichloropropene	0.50		U
108-10-1	4-Methyl-2-pentanone	5.0		U
108-88-3	Toluene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817014.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 13:30

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	4.9	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817014.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 13:30

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-21-4

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817014.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

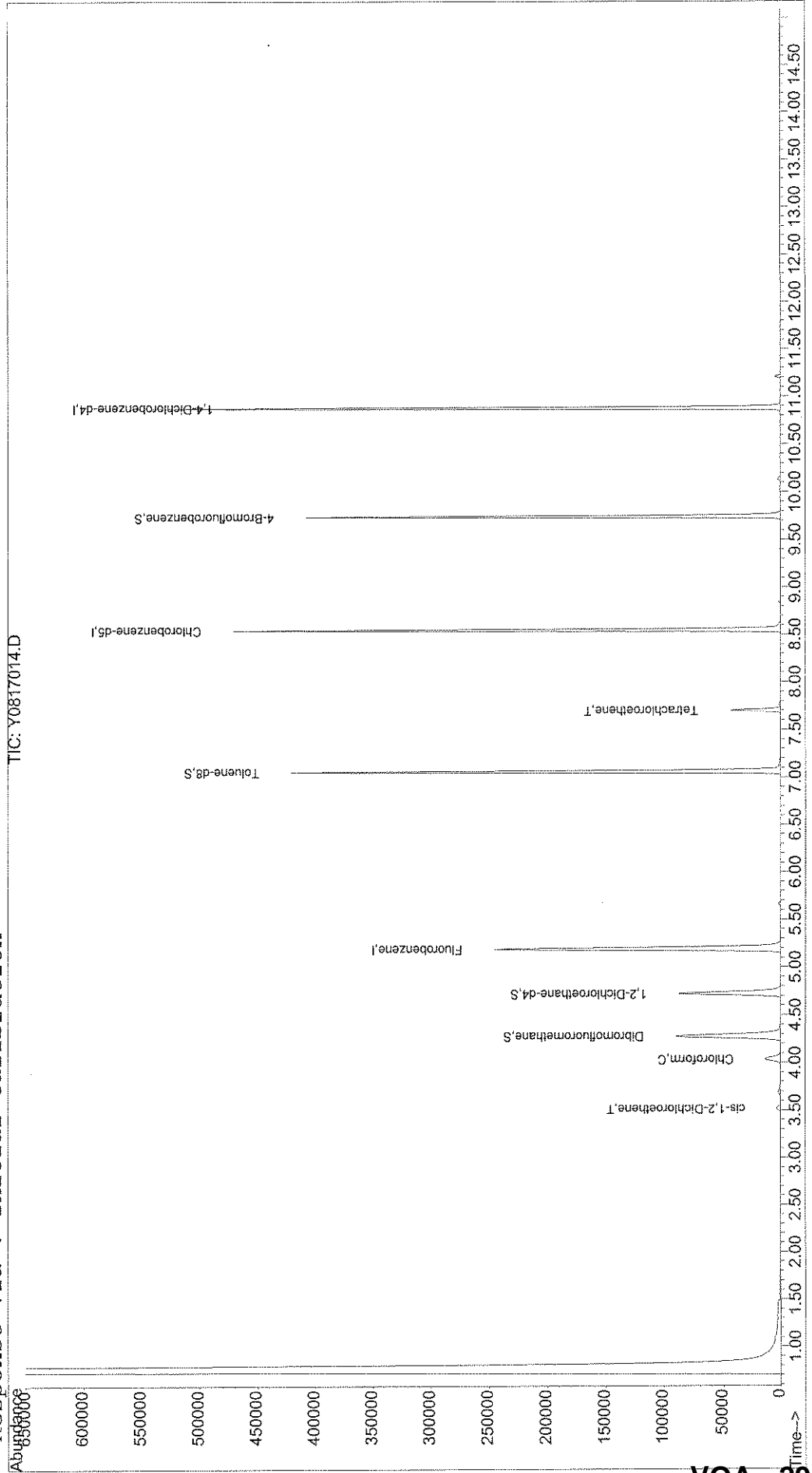
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817014.D Vial: 23
Acq On : 17 Aug 2006 13:30 Operator: LNW
Sample : JPL15-002 MW-21-4 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:15 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817014.D
 Acq On : 17 Aug 2006 13:30
 Sample : JPL15-002 MW-21-4
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:15 2006

Vial: 23
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	265437	50.00	ug/l	0.00 65.79%
50) Chlorobenzene-d5	8.55	82	119142	50.00	ug/l	0.00 71.10%
69) 1,4-Dichlorobenzene-d4	10.88	152	133413	50.00	ug/l	0.00 76.67%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	80134	49.62	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	79522	49.23	ug/l	0.00
51) Toluene-d8	7.06	98	264450	47.72	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	105833	47.38	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	2.39	73	118	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.79	63	144	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	3.51	96	2475	1.08	ug/l	86

[Handwritten signature]
 8/18/06

(#) = qualifier out of range (m) = manual integration
 Y0817014.D 8260B.M Fri Aug 18 07:15:19 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817014.D
 Acq On : 17 Aug 2006 13:30
 Sample : JPL15-002 MW-21-4
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:15 2006

Vial: 23
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.		
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.		
31) Chloroform	4.03	83	17475	4.41	ug/l ✓	99
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.67	130	912	N.D.		
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	6.27	83	147	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	7.12	92	295	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	7.70	166	14098	4.94	ug/l ✓	95
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	0.00	112	0	N.D.		
62) Ethylbenzene	8.72	91	247	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.84	106	576	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	0.00	104	0	N.D.		
67) Bromoform	9.40	173	234	N.D.		
68) Isopropylbenzene	9.75	105	65	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	0.00	120	0	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

Qing 8/18/06

(#) = qualifier out of range (m) = manual integration
 Y0817014.D 8260B.M Fri Aug 18 07:15:19 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817014.D
 Acq On : 17 Aug 2006 13:30
 Sample : JPL15-002 MW-21-4
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:15 2006

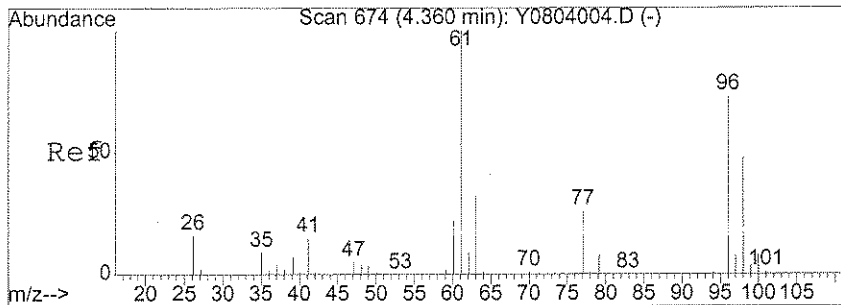
Vial: 23
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

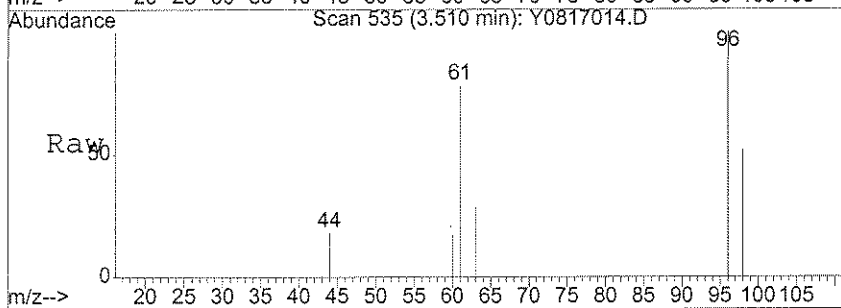
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.03	91	130		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.03	91	130		N.D.	
79) tert-Butylbenzene	10.51	119	56		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	65		N.D.	
81) sec-butylbenzene	10.74	105	76		N.D.	
82) 4-Isopropyltoluene	10.90	119	200		N.D.	
83) 1,3-Dichlorobenzene	10.81	111	60		N.D.	
84) 1,4-Dichlorobenzene	10.90	146	190		N.D.	
85) n-Butylbenzene	11.30	91	172		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	73		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0817014.D 8260B.M Fri Aug 18 07:15:19 2006

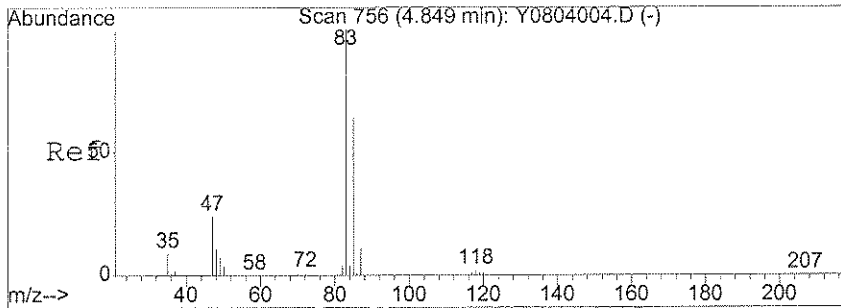
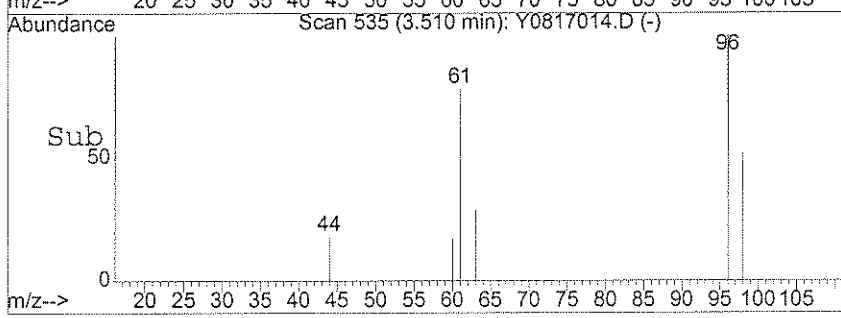
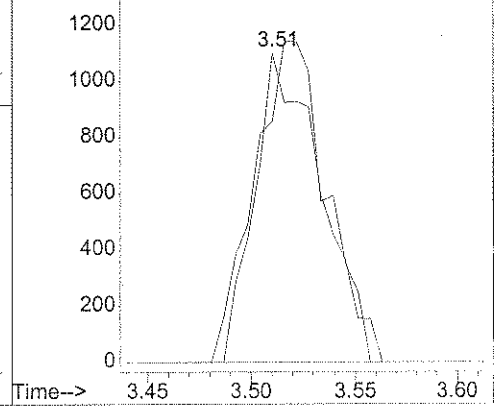


#26
 cis-1,2-Dichloroethene
 Concen: 1.08 ug/l
 RT: 3.51 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: Y0817014.D
 Acq: 17 Aug 2006 13:30

Tgt Ion: 96 Resp: 2475
 Ion Ratio Lower Upper
 96 100
 61 111.0 101.6 152.4

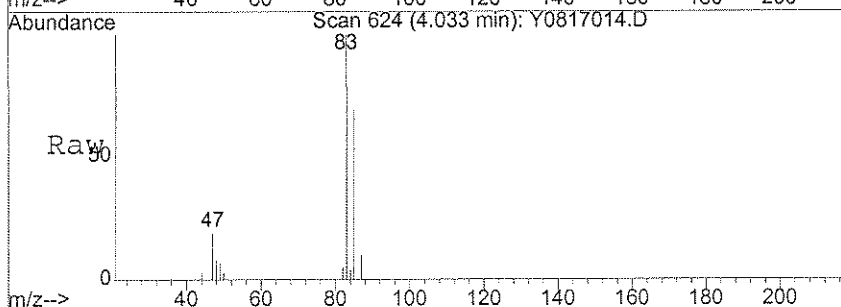


Abundance Ion 95.95 (95.65 to 96.65): Y0817014.D
 Ion 61.05 (60.75 to 61.75): Y0817014.D

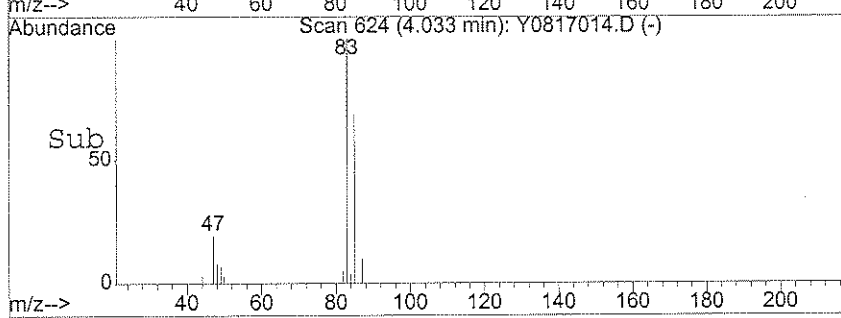
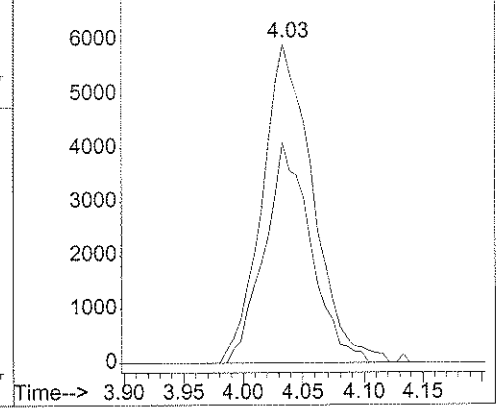


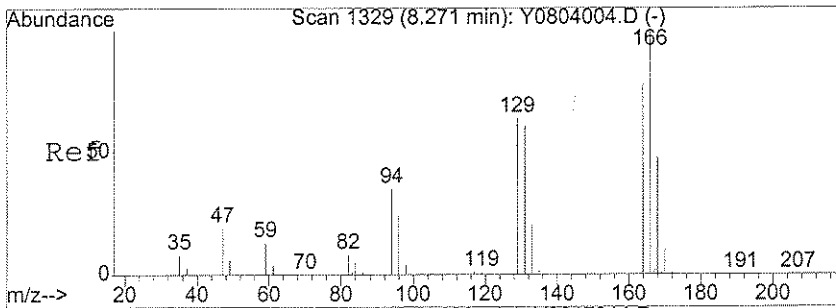
#31
 Chloroform
 Concen: 4.41 ug/l
 RT: 4.03 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: Y0817014.D
 Acq: 17 Aug 2006 13:30

Tgt Ion: 83 Resp: 17475
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.6 84.6



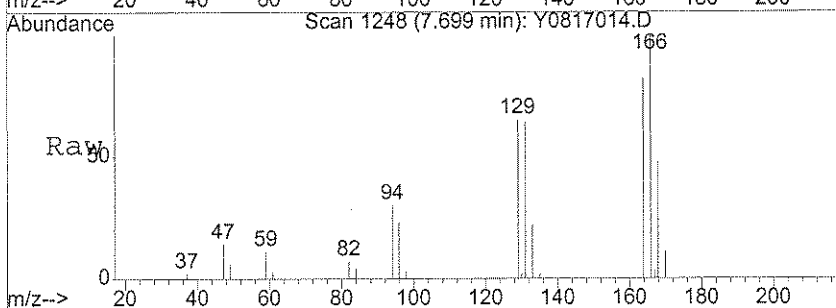
Abundance Ion 83.00 (82.70 to 83.70): Y0817014.D
 Ion 85.00 (84.70 to 85.70): Y0817014.D



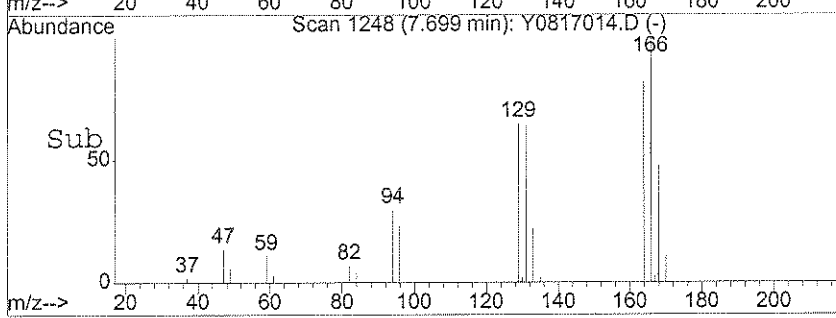
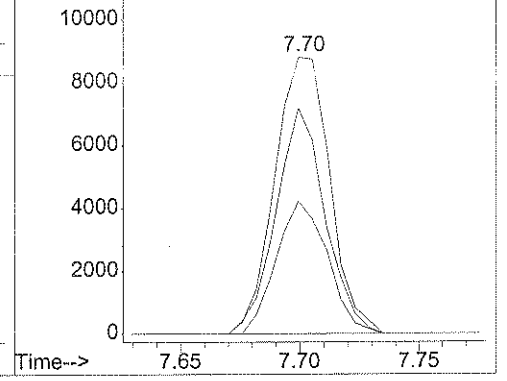


#56
 Tetrachloroethene
 Concen: 4.94 ug/l
 RT: 7.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: Y0817014.D
 Acq: 17 Aug 2006 13:30

Tgt Ion	Resp	Lower	Upper
166	14098		
164	73.2	61.7	92.5
168	44.6	38.6	57.8



Abundance Ion 165.95 (165.65 to 166.65): Y081701
 12000 Ion 163.95 (163.65 to 164.65): Y081701
 Ion 167.95 (167.65 to 168.65): Y081701



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817014.D Vial: 23
Acq On : 17 Aug 2006 13:30 Operator: LNW
Sample : JPL15-002 MW-21-4 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817014.D 8260B.M Fri Aug 18 07:15:25 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817015.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 13:54

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.89	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	2.7	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	1.3	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817015.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 13:54

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	5.7	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-003
 Lab File ID: Y0817015.D
 Date Collected: 08/15/2006
 Date/Time Analyzed: 08/17/2006 13:54
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

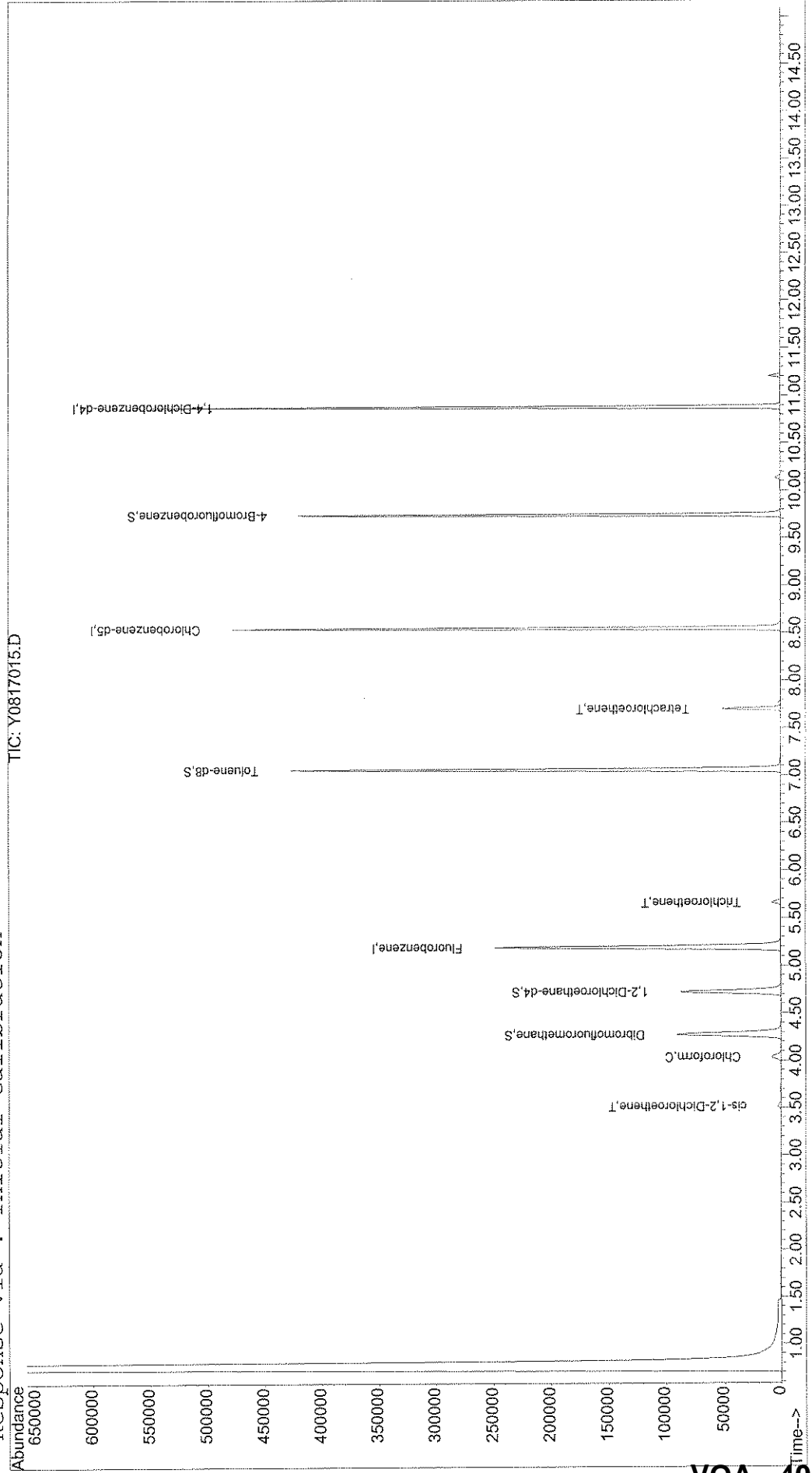
CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817015.D Vial: 24
Acq On : 17 Aug 2006 13:54 Operator: LNW
Sample : JPL15-003 MW-21-3 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:16 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



VOA - 40

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817015.D
 Acq On : 17 Aug 2006 13:54
 Sample : JPL15-003 MW-21-3
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:16 2006

Vial: 24
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	271507	50.00	ug/l	0.00 67.29%
50) Chlorobenzene-d5	8.55	82	120694	50.00	ug/l	0.00 72.03%
69) 1,4-Dichlorobenzene-d4	10.88	152	134878	50.00	ug/l	0.00 77.51%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	82512	49.96	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.73	65	81615	49.40	ug/l	0.00
51) Toluene-d8	7.06	98	266738	47.51	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	107801	47.73	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	2.37	96	195	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.79	63	742	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	3.52	96	2085	0.89	ug/l	98

(#) = qualifier out of range (m) = manual integration
 Y0817015.D 8260B.M Fri Aug 18 07:16:36 2006

Qm 8/18/06
 Page 1
VOA - 41

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817015.D
 Acq On : 17 Aug 2006 13:54
 Sample : JPL15-003 MW-21-3
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:16 2006

Vial: 24
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.04	83	10904	2.69	ug/l ✓	95
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.66	130	3299	1.31	ug/l ✓	98
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	6.27	83	54		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.05	43	901		N.D.	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.71	166	16523	5.71	ug/l ✓	98
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.72	91	132		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	53		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.40	173	53		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

QWR 8/18/06

(#) = qualifier out of range (m) = manual integration
 Y0817015.D 8260B.M Fri Aug 18 07:16:37 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817015.D
 Acq On : 17 Aug 2006 13:54
 Sample : JPL15-003 MW-21-3
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:16 2006

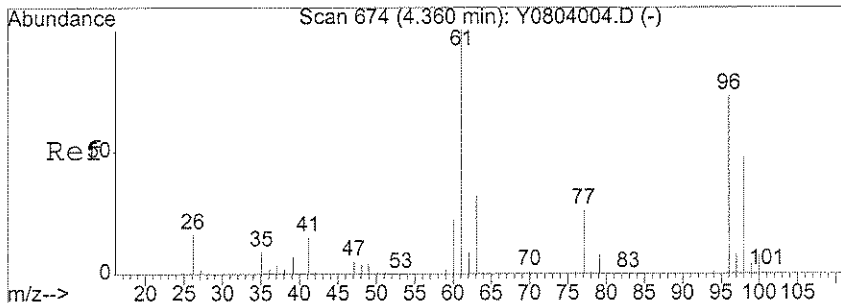
Vial: 24
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	144		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	144		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	117		N.D.	
81) sec-butylbenzene	10.74	105	117		N.D.	
82) 4-Isopropyltoluene	10.89	119	146		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.81	146	64		N.D.	
85) n-Butylbenzene	11.29	91	223		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	59		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

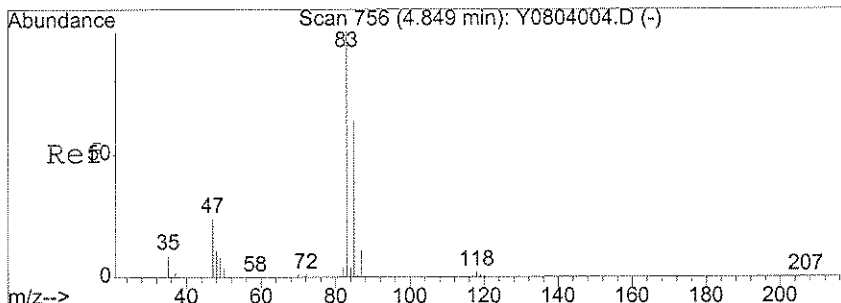
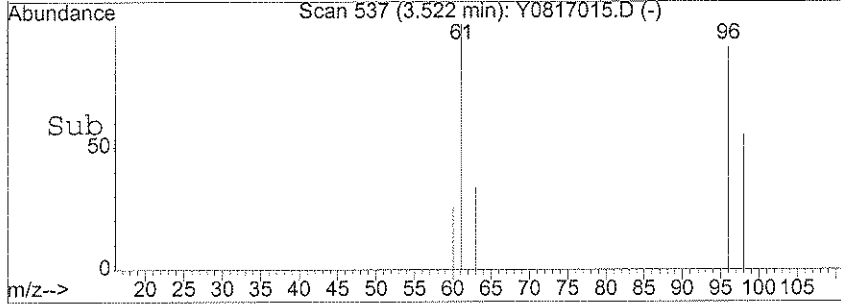
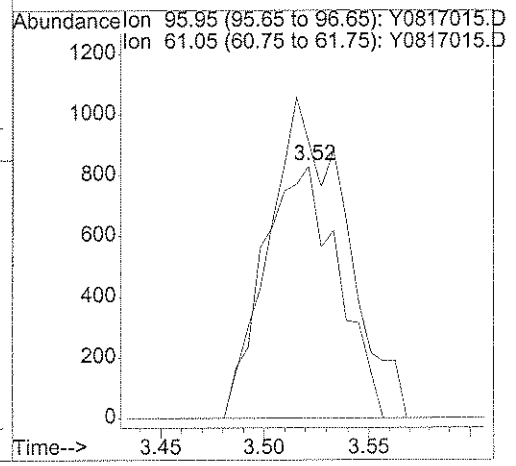
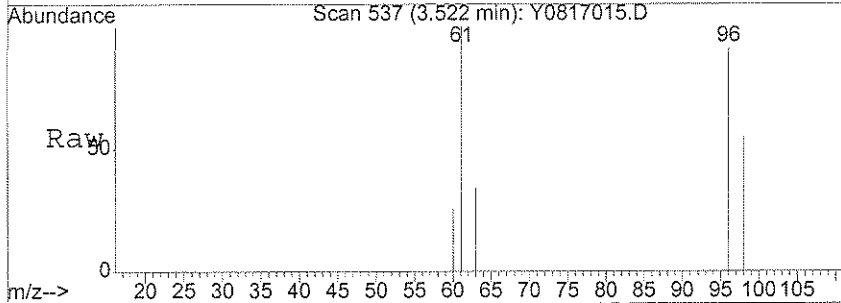
(#) = qualifier out of range (m) = manual integration
 Y0817015.D 8260B.M Fri Aug 18 07:16:37 2006



#26
 cis-1,2-Dichloroethene
 Concen: 0.89 ug/l
 RT: 3.52 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: Y0817015.D
 Acq: 17 Aug 2006 13:54

Tgt Ion: 96 Resp: 2085

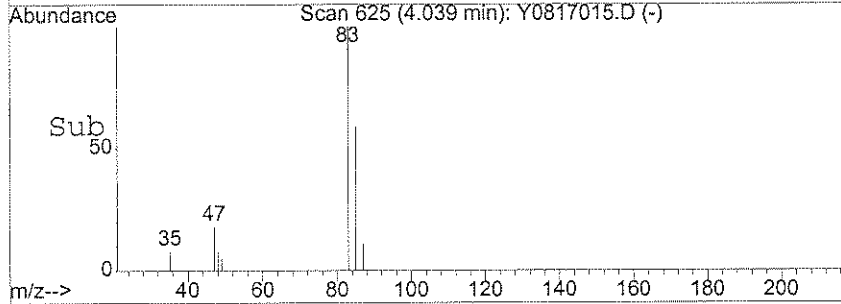
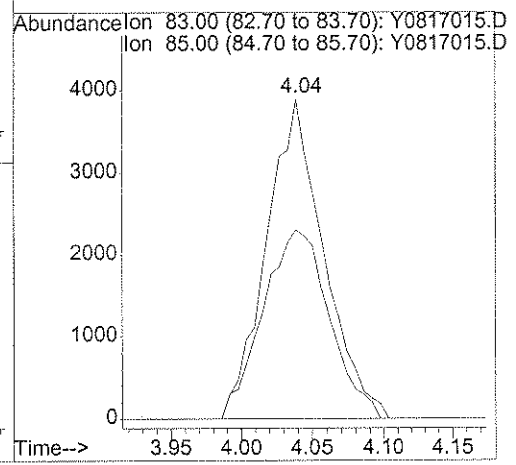
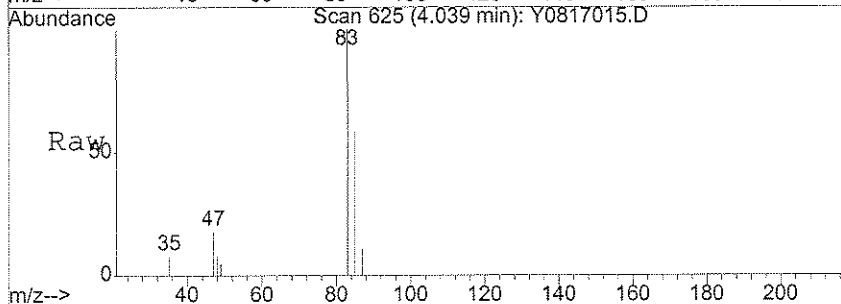
Ion	Ratio	Lower	Upper
96	100		
61	128.7	101.6	152.4

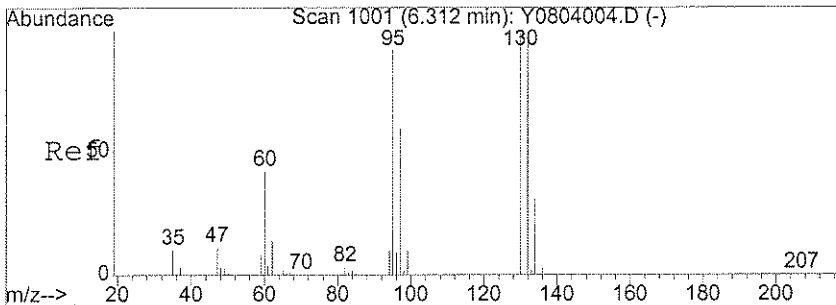


#31
 Chloroform
 Concen: 2.69 ug/l
 RT: 4.04 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: Y0817015.D
 Acq: 17 Aug 2006 13:54

Tgt Ion: 83 Resp: 10904

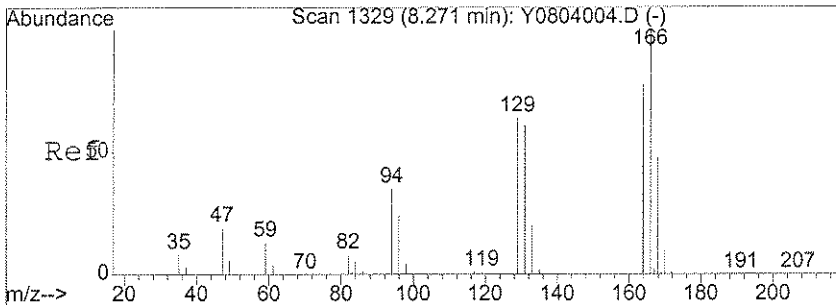
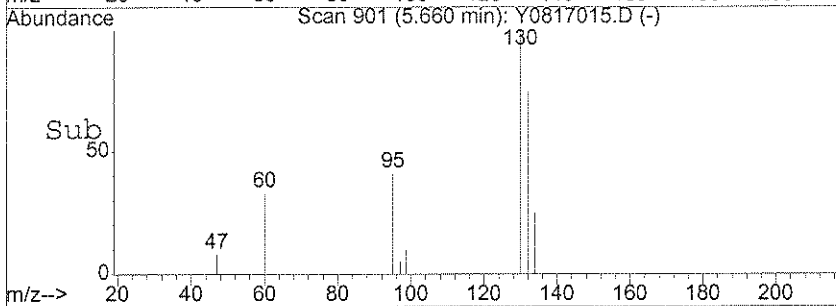
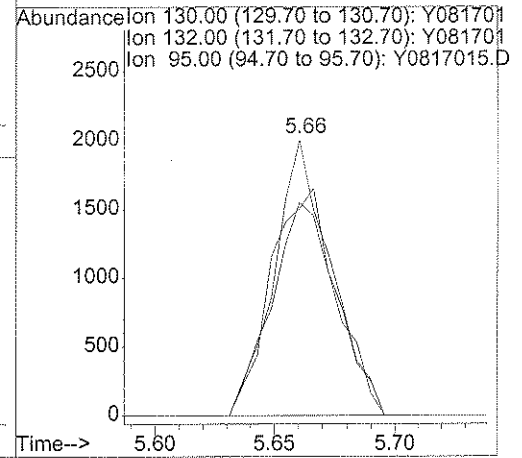
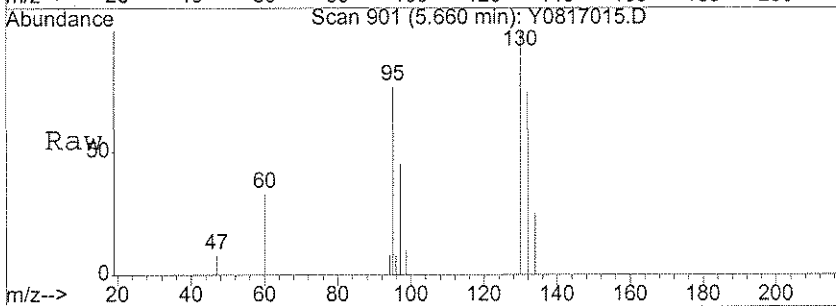
Ion	Ratio	Lower	Upper
83	100		
85	68.2	44.6	84.6





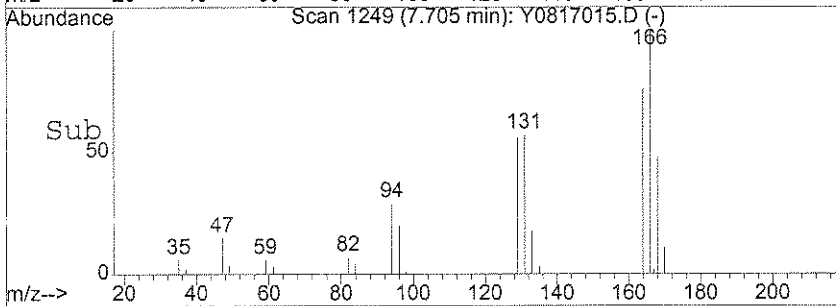
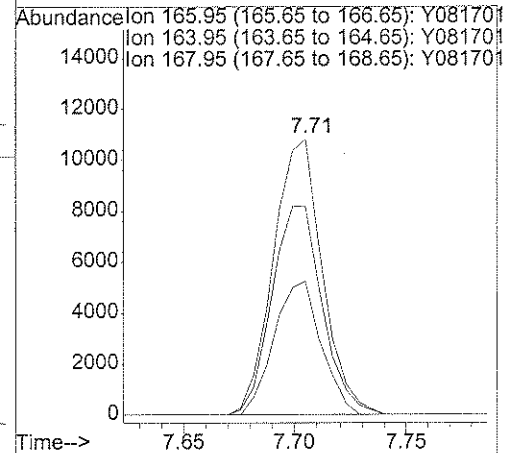
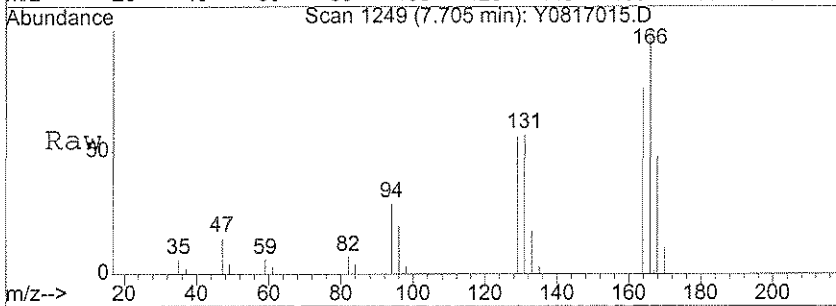
#42
 Trichloroethene
 Concen: 1.31 ug/l
 RT: 5.66 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: Y0817015.D
 Acq: 17 Aug 2006 13:54

Tgt Ion	Resp	Lower	Upper
130	3299		
130	100		
132	94.1	76.9	116.9
95	88.4	67.3	107.3



#56
 Tetrachloroethene
 Concen: 5.71 ug/l
 RT: 7.71 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: Y0817015.D
 Acq: 17 Aug 2006 13:54

Tgt Ion	Resp	Lower	Upper
166	16523		
166	100		
164	77.9	61.7	92.5
168	46.6	38.6	57.8



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817015.D Vial: 24
Acq On : 17 Aug 2006 13:54 Operator: LNW
Sample : JPL15-003 MW-21-3 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817015.D 8260B.M Fri Aug 18 07:16:44 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817016.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 14:19

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	1.8	
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	4.2	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	1.0	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817016.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 14:19

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	11	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817016.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 14:19

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-21-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817016.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

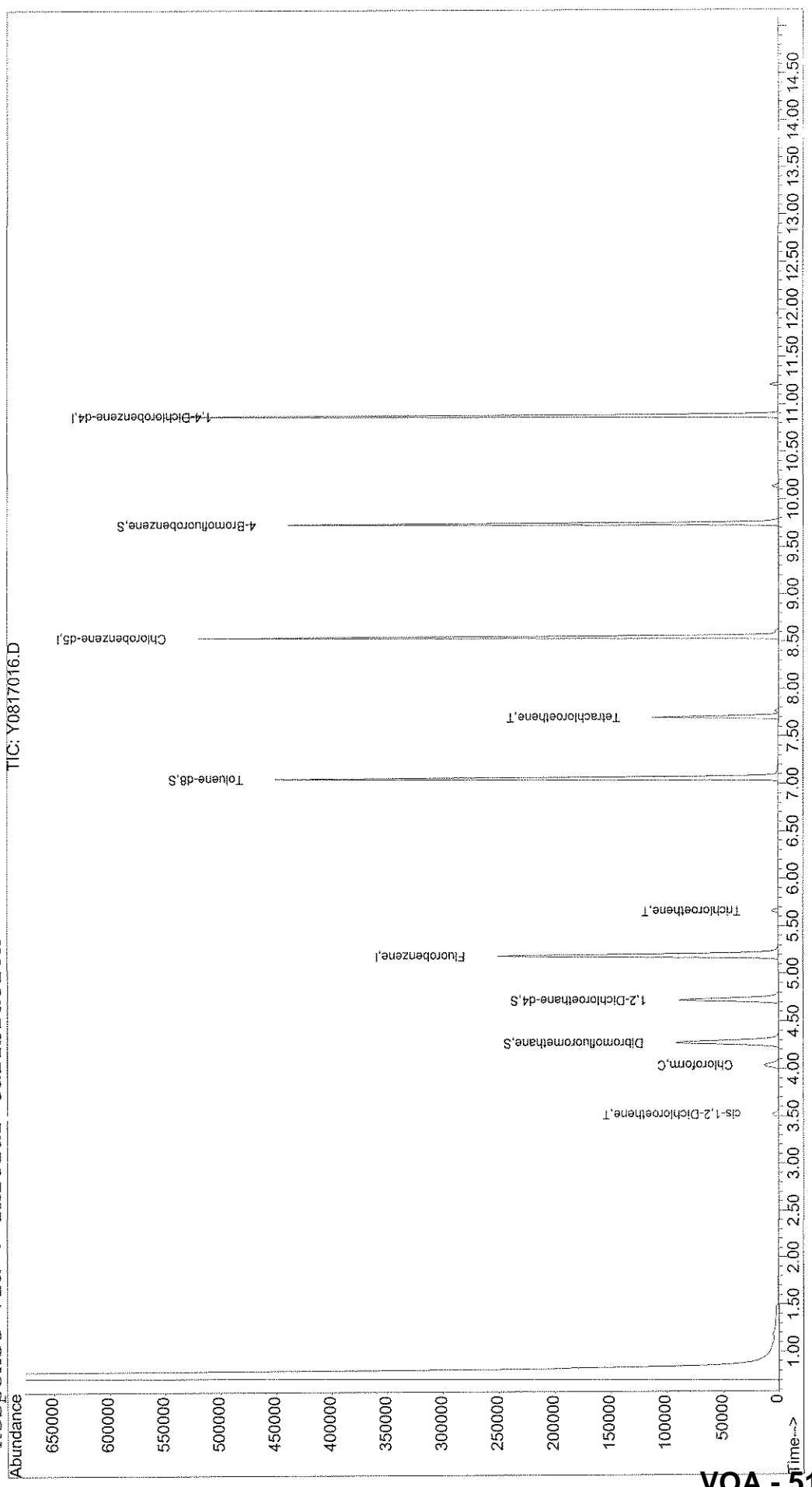
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817016.D Vial: 25
Acq On : 17 Aug 2006 14:19 Operator: LNW
Sample : JPL15-004 MW-21-2 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:18 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



VOA - 51

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817016.D
 Acq On : 17 Aug 2006 14:19
 Sample : JPL15-004 MW-21-2
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:18 2006

Vial: 25
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.19	96	280016	50.00	ug/l	0.00 69.40%
50) Chlorobenzene-d5	8.55	82	128459	50.00	ug/l	0.00 76.66%
69) 1,4-Dichlorobenzene-d4	10.88	152	138867	50.00	ug/l	0.00 79.80%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	84135	49.39	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	83397	48.95	ug/l	0.00
51) Toluene-d8	7.06	98	282587	47.29	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	114853	49.40	ug/l	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	2.38	73	479	N.D.		
20) trans-1,2-Dichloroethene	2.36	96	133	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.78	63	469	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	3.52	96	4260	1.77	ug/l	95

(#) = qualifier out of range (m) = manual integration
 Y0817016.D 8260B.M Fri Aug 18 07:19:10 2006

8/18/06 LNW
 Page 1
VOA - 52

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817016.D
 Acq On : 17 Aug 2006 14:19
 Sample : JPL15-004 MW-21-2
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:18 2006

Vial: 25
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.03	83	17376	4.15	ug/l	100
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.66	130	2655	1.02	ug/l	96
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.06	43	961		N.D.	
52) Toluene	7.12	92	69		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.70	166	34299	11.14	ug/l	99
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.85	91	424		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	141		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Handwritten signature and date: JLN 8/18/06

(#) = qualifier out of range (m) = manual integration
 Y0817016.D 8260B.M Fri Aug 18 07:19:10 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817016.D
 Acq On : 17 Aug 2006 14:19
 Sample : JPL15-004 MW-21-2
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:18 2006

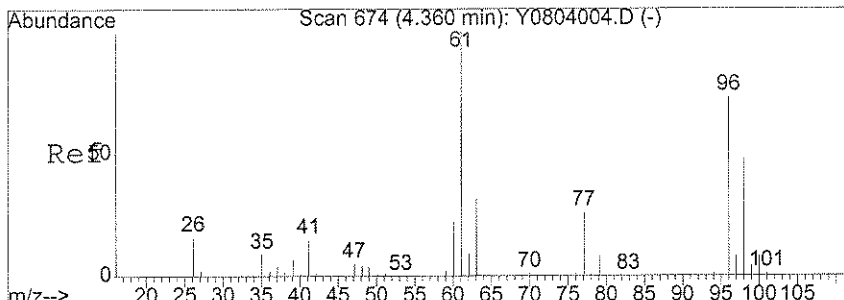
Vial: 25
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

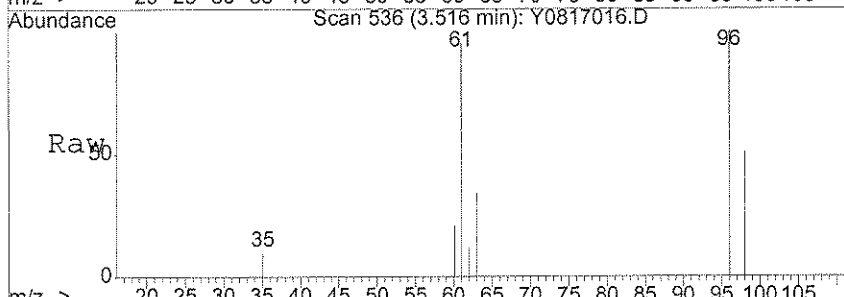
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	70		N.D.	
81) sec-butylbenzene	10.74	105	70		N.D.	
82) 4-Isopropyltoluene	10.90	119	87		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.30	91	220		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	53		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0817016.D 8260B.M Fri Aug 18 07:19:10 2006

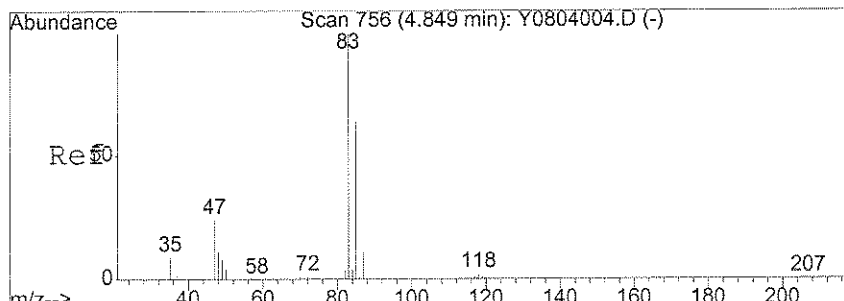
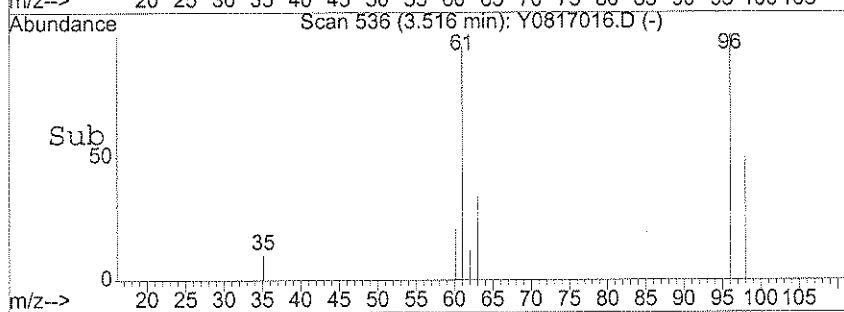
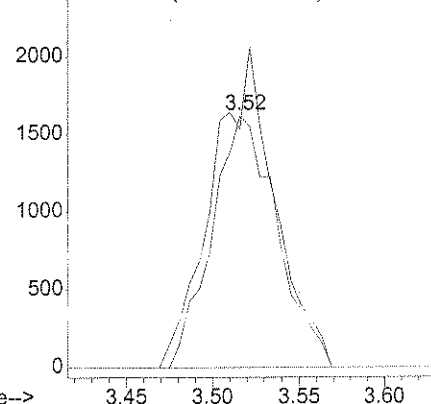


#26
 cis-1,2-Dichloroethene
 Concen: 1.77 ug/l
 RT: 3.52 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: Y0817016.D
 Acq: 17 Aug 2006 14:19

Tgt Ion:	96	Resp:	4260
Ion Ratio	Lower	Upper	
96	100		
61	120.9	101.6	152.4

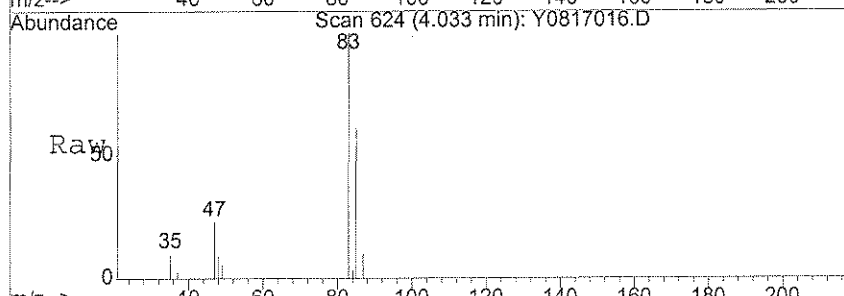


Abundance Ion 95.95 (95.65 to 96.65): Y0817016.D
 Ion 61.05 (60.75 to 61.75): Y0817016.D

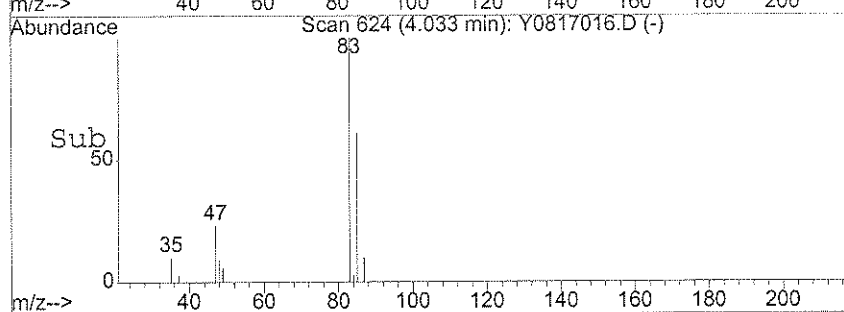
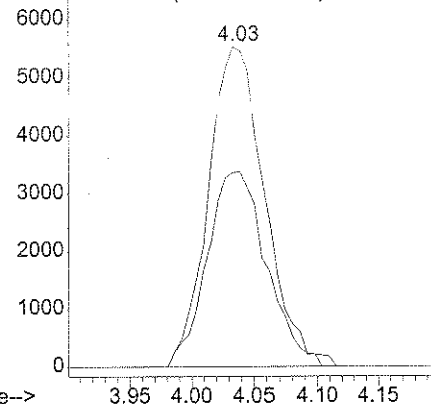


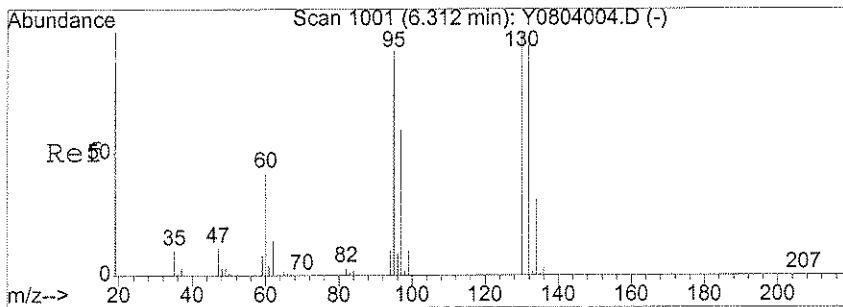
#31
 Chloroform
 Concen: 4.15 ug/l
 RT: 4.03 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: Y0817016.D
 Acq: 17 Aug 2006 14:19

Tgt Ion:	83	Resp:	17376
Ion Ratio	Lower	Upper	
83	100		
85	64.4	44.6	84.6



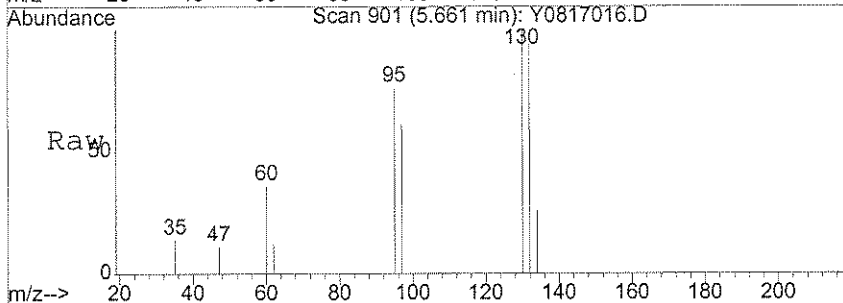
Abundance Ion 83.00 (82.70 to 83.70): Y0817016.D
 Ion 85.00 (84.70 to 85.70): Y0817016.D



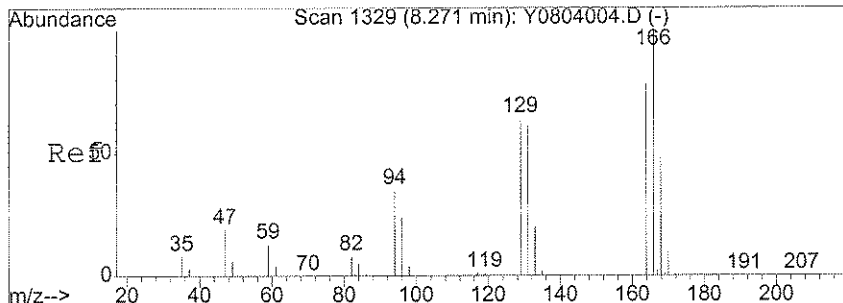
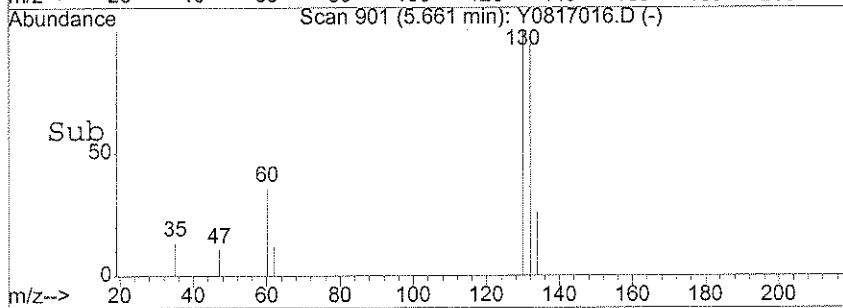
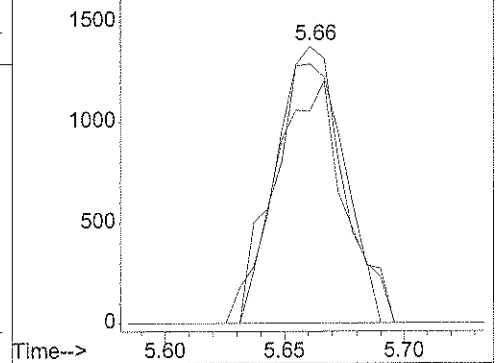


#42
 Trichloroethene
 Concen: 1.02 ug/l
 RT: 5.66 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: Y0817016.D
 Acq: 17 Aug 2006 14:19

Tgt Ion	Resp	Lower	Upper
130	2655		
130	100		
132	100.2	76.9	116.9
95	92.4	67.3	107.3

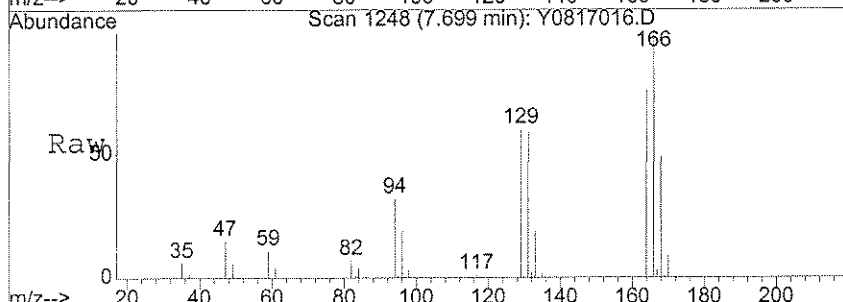


Abundance Ion 130.00 (129.70 to 130.70): Y0817016.D
 Ion 132.00 (131.70 to 132.70): Y0817016.D
 Ion 95.00 (94.70 to 95.70): Y0817016.D

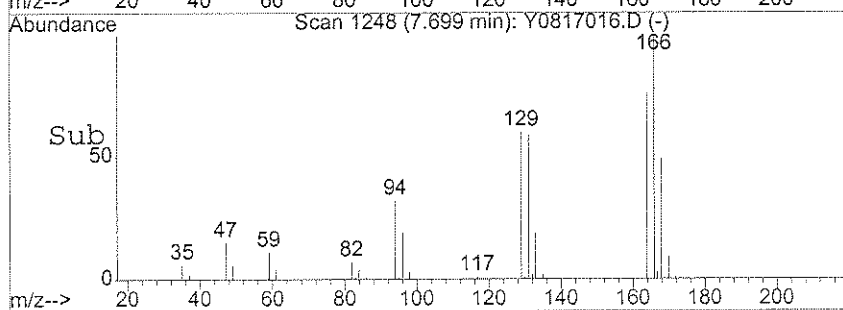
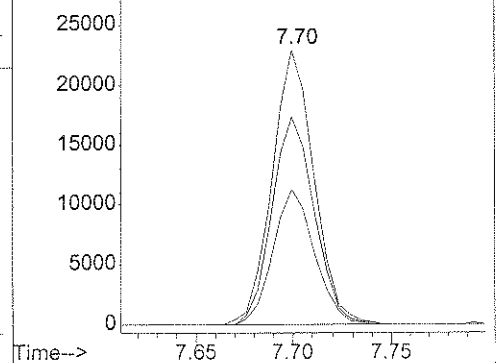


#56
 Tetrachloroethene
 Concen: 11.14 ug/l
 RT: 7.70 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: Y0817016.D
 Acq: 17 Aug 2006 14:19

Tgt Ion	Resp	Lower	Upper
166	34299		
166	100		
164	76.6	61.7	92.5
168	48.6	38.6	57.8



Abundance Ion 165.95 (165.65 to 166.65): Y0817016.D
 Ion 163.95 (163.65 to 164.65): Y0817016.D
 Ion 167.95 (167.65 to 168.65): Y0817016.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817016.D Vial: 25
Acq On : 17 Aug 2006 14:19 Operator: LNW
Sample : JPL15-004 MW-21-2 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817016.D 8260B.M Fri Aug 18 07:19:16 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-005
 Lab File ID: Y0817017.D
 Date Collected: 08/15/2006
 Date/Time Analyzed: 08/17/2006 14:44
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.56	
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.55	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817017.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 14:44

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-21-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817017.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 14:44

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-21-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-005
 Lab File ID: Y0817017.D
 Date Collected: 08/16/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

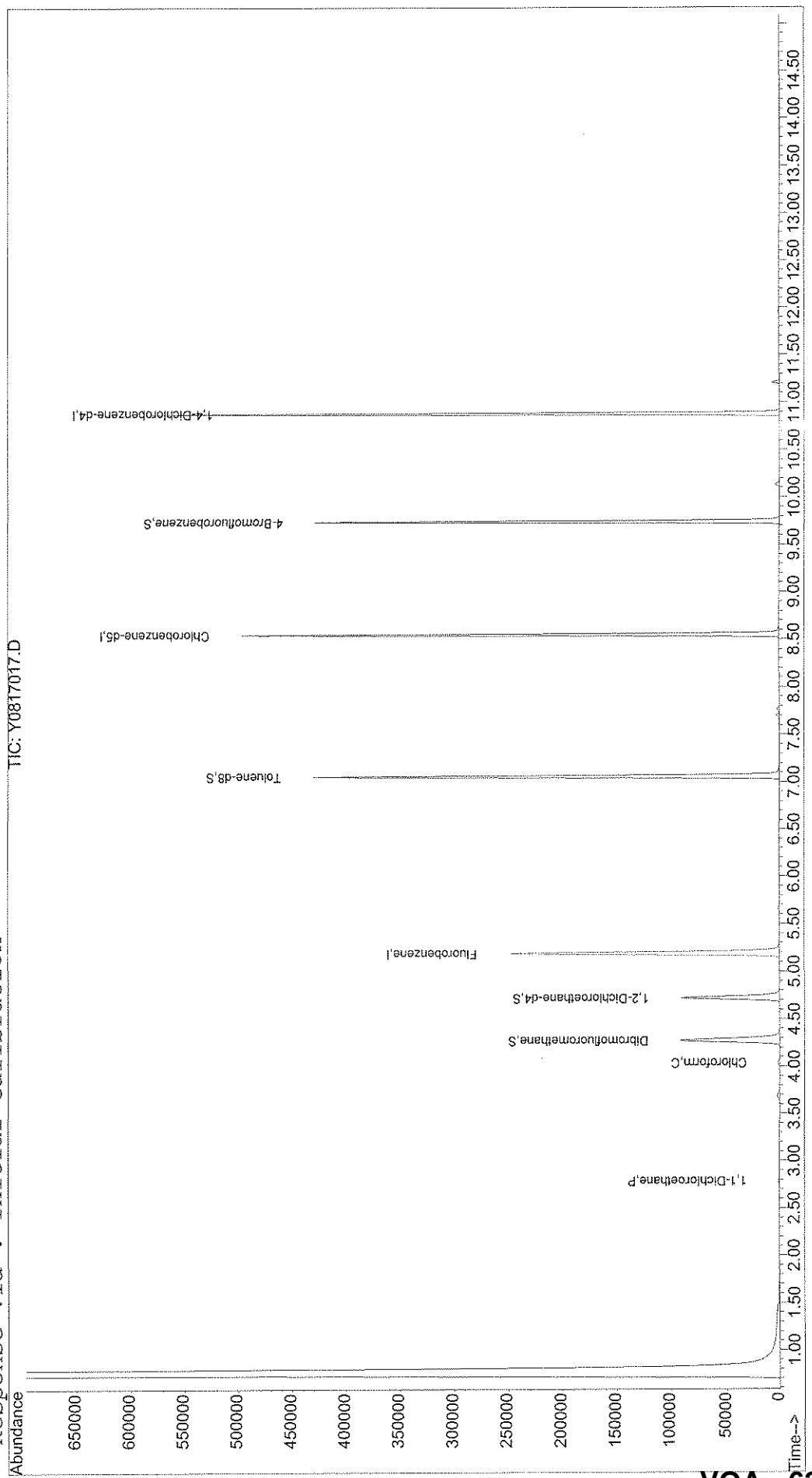
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817017.D Vial: 26
Acq On : 17 Aug 2006 14:44 Operator: LNW
Sample : JPL15-005 MW-21-1 Inst : Yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:20 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



VOA - 62

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817017.D
 Acq On : 17 Aug 2006 14:44
 Sample : JPL15-005 MW-21-1
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:20 2006

Vial: 26
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	271296	50.00	ug/l	0.00 67.24%
50) Chlorobenzene-d5	8.55	82	123270	50.00	ug/l	0.00 73.57%
69) 1,4-Dichlorobenzene-d4	10.88	152	140893	50.00	ug/l	0.00 80.97%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	81256	49.23	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	81758	49.53	ug/l	0.00
51) Toluene-d8	7.06	98	274771	47.92	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	110184	46.71	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.79	63	2163	0.56	ug/l	82
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

Qvalue
 ✓
Qvalue
 8/18/06

(#) = qualifier out of range (m) = manual integration
 Y0817017.D 8260B.M Fri Aug 18 07:21:03 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817017.D
 Acq On : 17 Aug 2006 14:44
 Sample : JPL15-005 MW-21-1
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:20 2006

Vial: 26
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.04	83	2220	0.55	ug/l	93
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.67	130	667		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.05	43	936		N.D.	
52) Toluene	7.13	92	66		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.71	166	1028		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.72	91	76		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	55		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.74	105	88		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Qm 8/18/06

(#) = qualifier out of range (m) = manual integration
 Y0817017.D 8260B.M Fri Aug 18 07:21:04 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817017.D
 Acq On : 17 Aug 2006 14:44
 Sample : JPL15-005 MW-21-1
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:20 2006

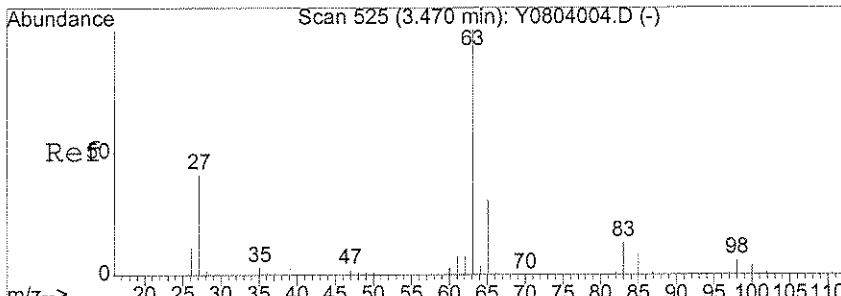
Vial: 26
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

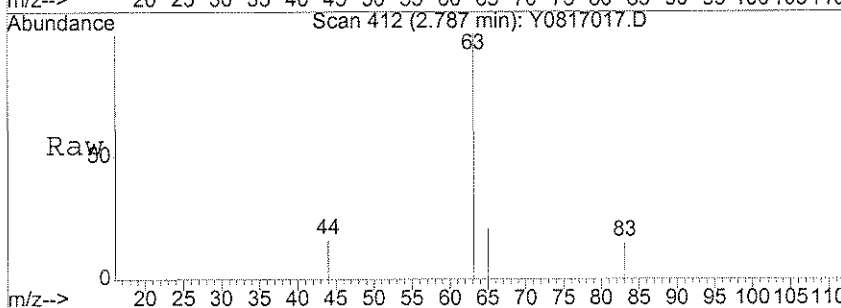
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.03	91	67		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.03	91	67		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	136		N.D.	
81) sec-butylbenzene	10.74	105	136		N.D.	
82) 4-Isopropyltoluene	10.89	119	211		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.30	91	215		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817017.D 8260B.M Fri Aug 18 07:21:04 2006

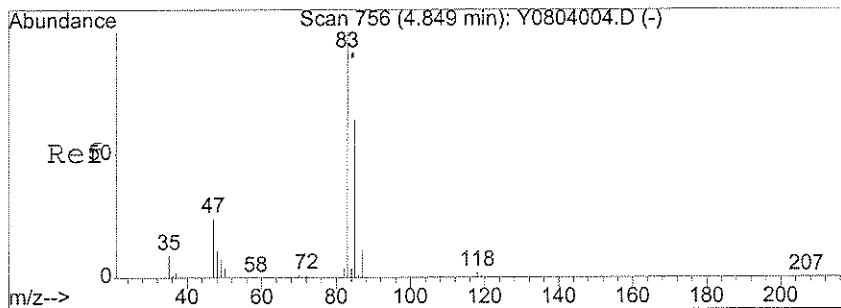
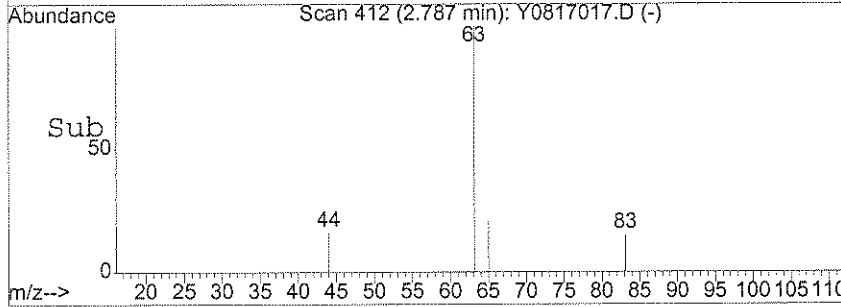
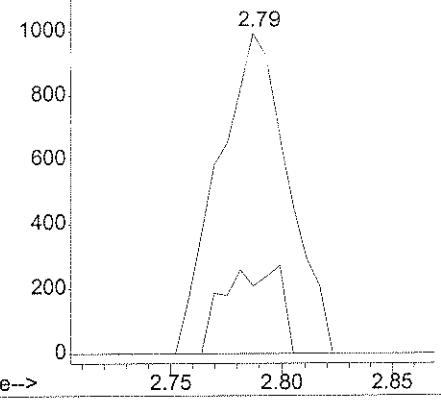


#23
 1,1-Dichloroethane
 Concen: 0.56 ug/l
 RT: 2.79 min Scan# 412
 Delta R.T. 0.01 min
 Lab File: Y0817017.D
 Acq: 17 Aug 2006 14:44

Tgt Ion: 63 Resp: 2163
 Ion Ratio Lower Upper
 63 100
 65 22.0 12.1 52.1

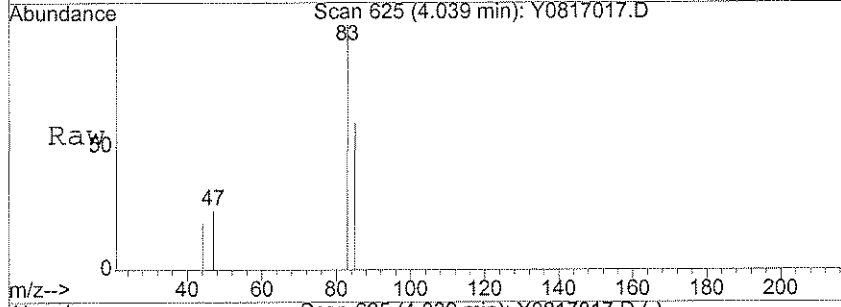


Abundance Ion 63.00 (62.70 to 63.70): Y0817017.D
 Ion 65.00 (64.70 to 65.70): Y0817017.D

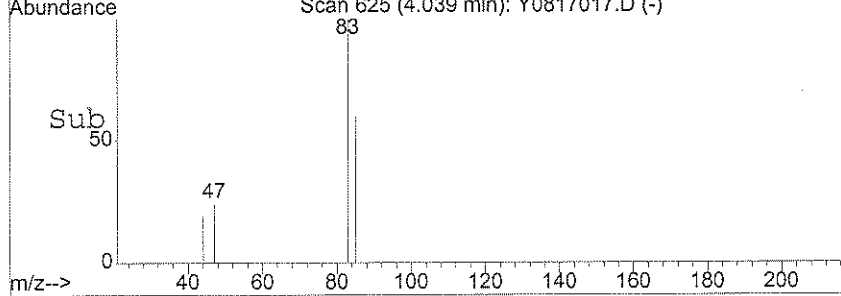
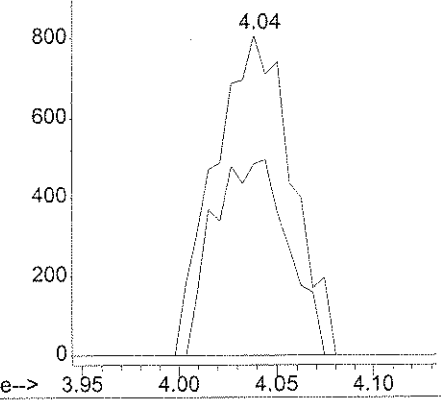


#31
 Chloroform
 Concen: 0.55 ug/l
 RT: 4.04 min Scan# 625
 Delta R.T. 0.01 min
 Lab File: Y0817017.D
 Acq: 17 Aug 2006 14:44

Tgt Ion: 83 Resp: 2220
 Ion Ratio Lower Upper
 83 100
 85 59.1 44.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): Y0817017.D
 Ion 85.00 (84.70 to 85.70): Y0817017.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817017.D Vial: 26
Acq On : 17 Aug 2006 14:44 Operator: LNW
Sample : JPL15-005 MW-21-1 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817017.D 8260B.M Fri Aug 18 07:21:20 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817011.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 12:15

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817011.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 12:15

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
10061-02-	trans-1,3-Dichloropropene	0.50		U
79-00-5	1,1,2-Trichloroethane	0.50		U
127-18-4	Tetrachloroethene	0.50		U
142-28-9	1,3-Dichloropropane	0.50		U
124-48-1	Dibromochloromethane	0.50		U
106-93-4	1,2-Dibromoethane	0.50		U
108-90-7	Chlorobenzene	0.50		U
100-41-4	Ethylbenzene	0.50		U
630-20-6	1,1,1,2-Tetrachloroethane	0.50		U
179601-23	m,p-Xylene	1.0		U
95-47-6	o-Xylene	0.50		U
100-42-5	Styrene	0.50		U
75-25-2	Bromoform	0.50		U
98-82-8	Isopropylbenzene	0.50		U
79-34-5	1,1,2,2-Tetrachloroethane	0.50		U
103-65-1	n-Propylbenzene	0.50		U
108-86-1	Bromobenzene	0.50		U
96-18-4	1,2,3-Trichloropropane	0.50		U
95-49-8	2-Chlorotoluene	0.50		U
108-67-8	1,3,5-Trimethylbenzene	0.50		U
106-43-4	4-Chlorotoluene	0.50		U
98-06-6	tert-Butylbenzene	0.50		U
95-63-6	1,2,4-Trimethylbenzene	0.50		U
135-98-8	sec-Butylbenzene	0.50		U
99-87-6	4-Isopropyltoluene	0.50		U
541-73-1	1,3-Dichlorobenzene	0.50		U
106-46-7	1,4-Dichlorobenzene	0.50		U
104-51-8	n-Butylbenzene	0.50		U
95-50-1	1,2-Dichlorobenzene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817011.D

Level: (LOW/MED) _____

Date Collected: 08/15/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 12:15

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817011.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

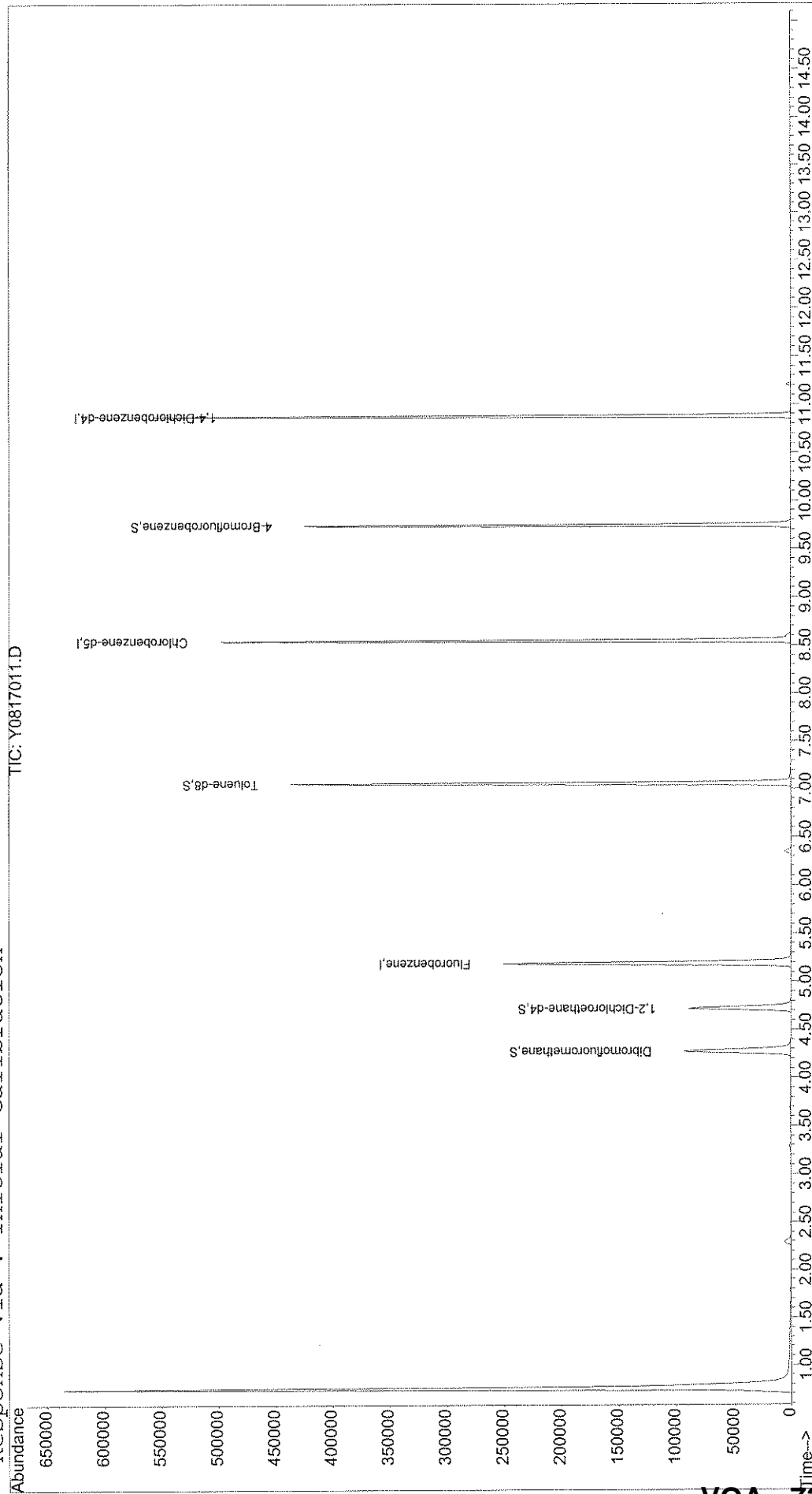
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817011.D Vial: 20
Acq On : 17 Aug 2006 12:15 Operator: LNW
Sample : JPL15-006 EB-1-8/15/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:09 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



VOA - 72

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817011.D
 Acq On : 17 Aug 2006 12:15
 Sample : JPL15-006 EB-1-8/15/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:09 2006

Vial: 20
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	274499	50.00	ug/l	0.00 68.03%
50) Chlorobenzene-d5	8.55	82	125220	50.00	ug/l	0.00 74.73%
69) 1,4-Dichlorobenzene-d4	10.88	152	142178	50.00	ug/l	0.00 81.71%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	81999	49.10	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	81903	49.03	ug/l	0.00
51) Toluene-d8	7.06	98	274415	47.11	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	113606	47.72	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817011.D
 Acq On : 17 Aug 2006 12:15
 Sample : JPL15-006 EB-1-8/15/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:09 2006

Vial: 20
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.62	43	120		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	4.32	56	129		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.06	43	818		N.D.	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.72	91	55		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.40	173	148		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817011.D 8260B.M Fri Aug 18 07:09:47 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817011.D
 Acq On : 17 Aug 2006 12:15
 Sample : JPL15-006 EB-1-8/15/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:09 2006

Vial: 20
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.03	91	283		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	124		N.D.	
78) 4-Chlorotoluene	10.19	91	64		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	186		N.D.	
81) sec-butylbenzene	10.73	105	355		N.D.	
82) 4-Isopropyltoluene	10.90	119	397		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.81	146	63		N.D.	
85) n-Butylbenzene	11.29	91	307		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	13.04	225	70		N.D.	
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

 (#) = qualifier out of range (m) = manual integration
 Y0817011.D 8260B.M Fri Aug 18 07:09:47 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817011.D Vial: 20
Acq On : 17 Aug 2006 12:15 Operator: LNW
Sample : JPL15-006 EB-1-8/15/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817011.D 8260B.M Fri Aug 18 07:09:53 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-007
 Lab File ID: Y0817009.D
 Date Collected: 08/15/2006
 Date/Time Analyzed: 08/17/2006 11:26
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-007
 Lab File ID: Y0817009.D
 Date Collected: 08/15/2006
 Date/Time Analyzed: 08/17/2006 11:26
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-007
 Lab File ID: Y0817009.D
 Date Collected: 08/15/2006
 Date/Time Analyzed: 08/17/2006 11:26
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-007
 Lab File ID: Y0817009.D
 Date Collected: 08/16/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

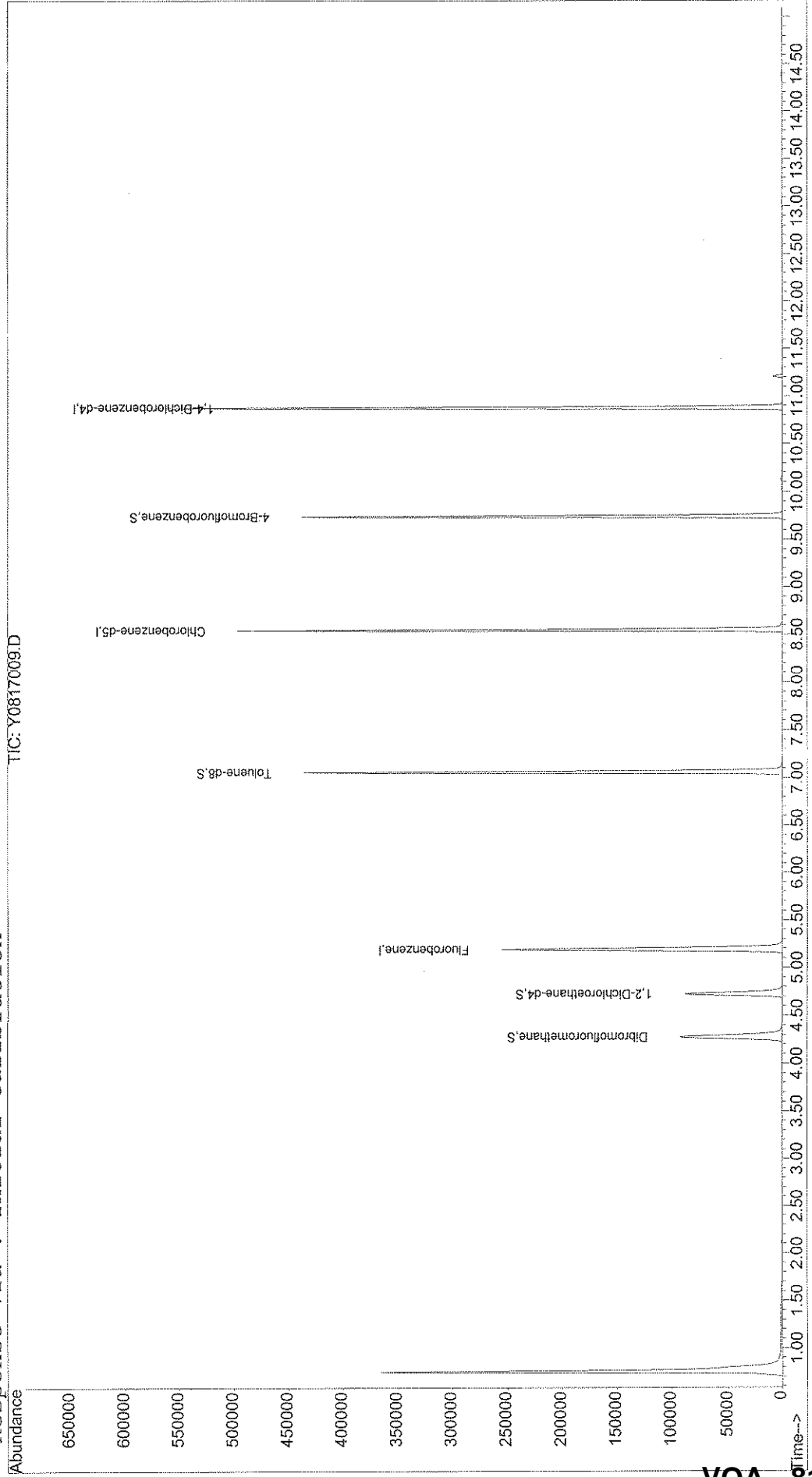
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817009.D Vial: 18
Acq On : 17 Aug 2006 11:26 Operator: LNW
Sample : JPL15-007 TB-1-8/15/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:07 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



VOA - 81

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817009.D
 Acq On : 17 Aug 2006 11:26
 Sample : JPL15-007 TB-1-8/15/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:07 2006

Vial: 18
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.19	96	277594	50.00	ug/l	0.00 68.80%
50) Chlorobenzene-d5	8.55	82	123715	50.00	ug/l	0.00 73.83%
69) 1,4-Dichlorobenzene-d4	10.88	152	140975	50.00	ug/l	0.00 81.01%
System Monitoring Compounds						
32) Dibromofluoromethane	4.28	111	83129	49.23	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.73	65	81235	48.09	ug/l	0.00
51) Toluene-d8	7.06	98	274022	47.62	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	112453	47.64	ug/l	0.00
Target Compounds						
2) Dichlorodifluoromethane	0.00	85	0	N.D.		Qvalue
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	67	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0817009.D 8260B.M Fri Aug 18 07:07:47 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817009.D
 Acq On : 17 Aug 2006 11:26
 Sample : JPL15-007 TB-1-8/15/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:07 2006

Vial: 18
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.05	43	917		N.D.	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.71	166	66		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.72	91	182		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.85	106	121		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.61	105	206		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.21	120	60		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817009.D 8260B.M Fri Aug 18 07:07:48 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817009.D
 Acq On : 17 Aug 2006 11:26
 Sample : JPL15-007 TB-1-8/15/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:07 2006

Vial: 18
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.07	91	120		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	160		N.D.	
78) 4-Chlorotoluene	10.19	91	177		N.D.	
79) tert-Butylbenzene	10.51	119	54		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	253		N.D.	
81) sec-butylbenzene	10.74	105	572		N.D.	
82) 4-Isopropyltoluene	10.90	119	546		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	204		N.D.	
85) n-Butylbenzene	11.30	91	638		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	120		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	13.04	225	401		N.D.	
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0817009.D 8260B.M Fri Aug 18 07:07:48 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817009.D Vial: 18
Acq On : 17 Aug 2006 11:26 Operator: LNW
Sample : JPL15-007 TB-1-8/15/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817009.D 8260B.M Fri Aug 18 08:05:55 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-008

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817018.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 15:09

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
75-71-8	Dichlorodifluoromethane	0.50		U
74-87-3	Chloromethane	0.50		U
75-01-4	Vinyl chloride	0.50		U
74-83-9	Bromomethane	0.50		U
75-00-3	Chloroethane	0.50		U
75-69-4	Trichlorofluoromethane	0.50		U
75-35-4	1,1-Dichloroethene	0.50		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		U
75-09-2	Methylene chloride	0.50		U
1634-04-4	Methyl tert-butyl ether	0.50		U
156-60-5	trans-1,2-Dichloroethene	0.50		U
75-34-3	1,1-Dichloroethane	0.50		U
594-20-7	2,2-Dichloropropane	0.50		U
156-59-2	cis-1,2-Dichloroethene	0.50		U
78-93-3	2-Butanone	5.0		U
74-97-5	Bromochloromethane	0.50		U
67-66-3	Chloroform	0.50		U
71-55-6	1,1,1-Trichloroethane	0.50		U
56-23-5	Carbon tetrachloride	0.50		U
563-58-6	1,1-Dichloropropene	0.50		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	0.50		U
79-01-6	Trichloroethene	0.50		U
78-87-5	1,2-Dichloropropane	0.50		U
74-95-3	Dibromomethane	0.50		U
75-27-4	Bromodichloromethane	0.50		U
10061-01-	cis-1,3-Dichloropropene	0.50		U
108-10-1	4-Methyl-2-pentanone	5.0		U
108-88-3	Toluene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-008

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817018.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 15:09

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPLi5
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-008
 Lab File ID: Y0817018.D
 Date Collected: 08/16/2006
 Date/Time Analyzed: 08/17/2006 15:09
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-5

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-008
 Lab File ID: Y0817018.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

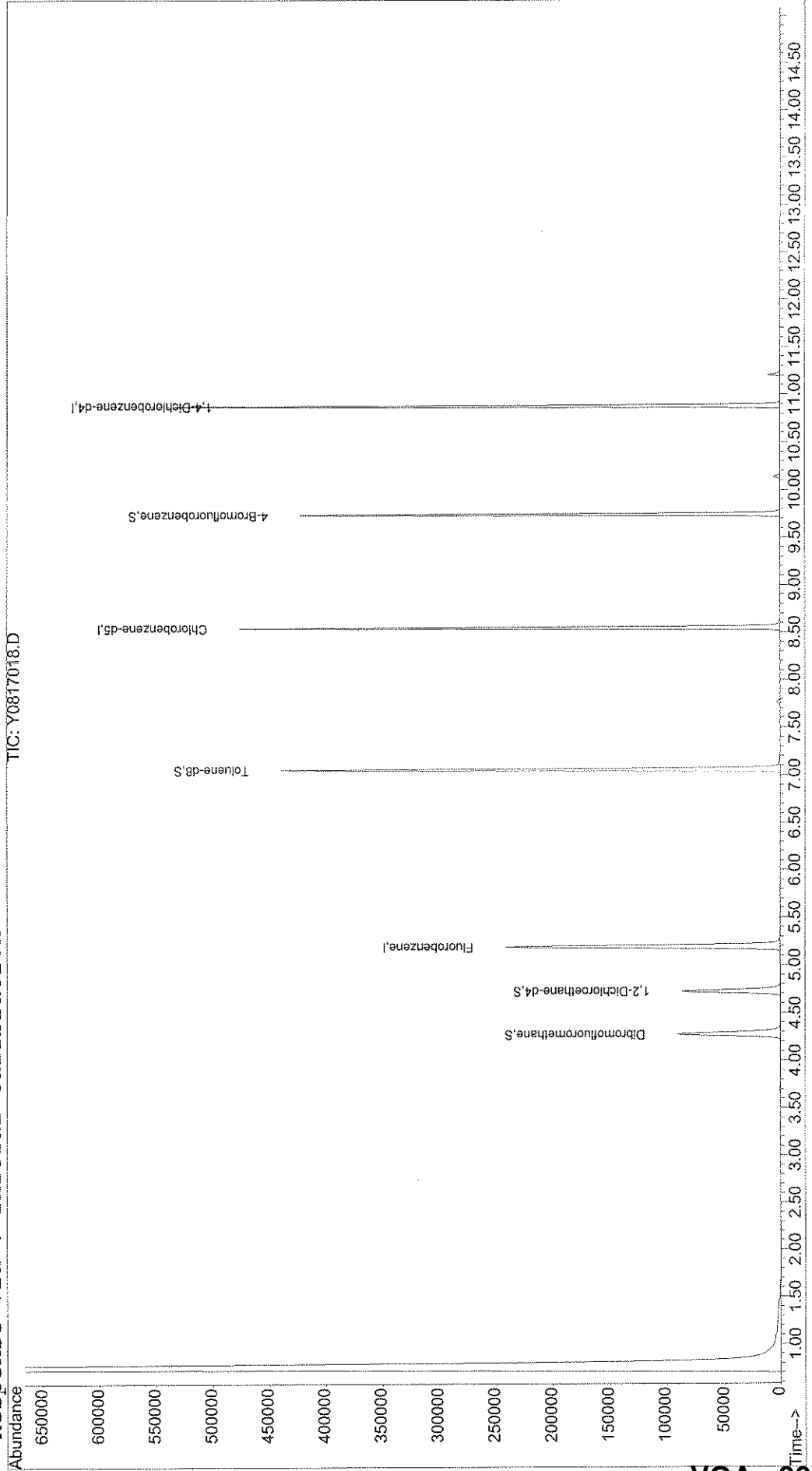
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817018.D Vial: 27
Acq On : 17 Aug 2006 15:09 Operator: LNW
Sample : JPL15-008 MW-14-5 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:22 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817018.D
 Acq On : 17 Aug 2006 15:09
 Sample : JPL15-008 MW-14-5
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:22 2006

Vial: 27
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	267082	50.00	ug/l	0.00 66.19%
50) Chlorobenzene-d5	8.55	82	121499	50.00	ug/l	0.00 72.51%
69) 1,4-Dichlorobenzene-d4	10.88	152	137558	50.00	ug/l	0.00 79.05%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	79733	49.07	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	80068	49.27	ug/l	0.00
51) Toluene-d8	7.06	98	268178	47.45	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	109061	47.35	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817018.D
 Acq On : 17 Aug 2006 15:09
 Sample : JPL15-008 MW-14-5
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:22 2006

Vial: 27
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.06	43	922		N.D.	
52) Toluene	7.12	92	134		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.72	91	84		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	78		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817018.D 8260B.M Fri Aug 18 07:23:29 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817018.D
 Acq On : 17 Aug 2006 15:09
 Sample : JPL15-008 MW-14-5
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:22 2006

Vial: 27
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.89	119	89		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.30	91	57		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817018.D 8260B.M Fri Aug 18 07:23:29 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817018.D Vial: 27
Acq On : 17 Aug 2006 15:09 Operator: LNW
Sample : JPL15-008 MW-14-5 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817018.D 8260B.M Fri Aug 18 07:23:39 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-009
 Lab File ID: Y0817019.D
 Date Collected: 08/16/2006
 Date/Time Analyzed: 08/17/2006 15:33
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-009

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817019.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 15:33

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-009

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817019.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 15:33

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-009
 Lab File ID: Y0817019.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

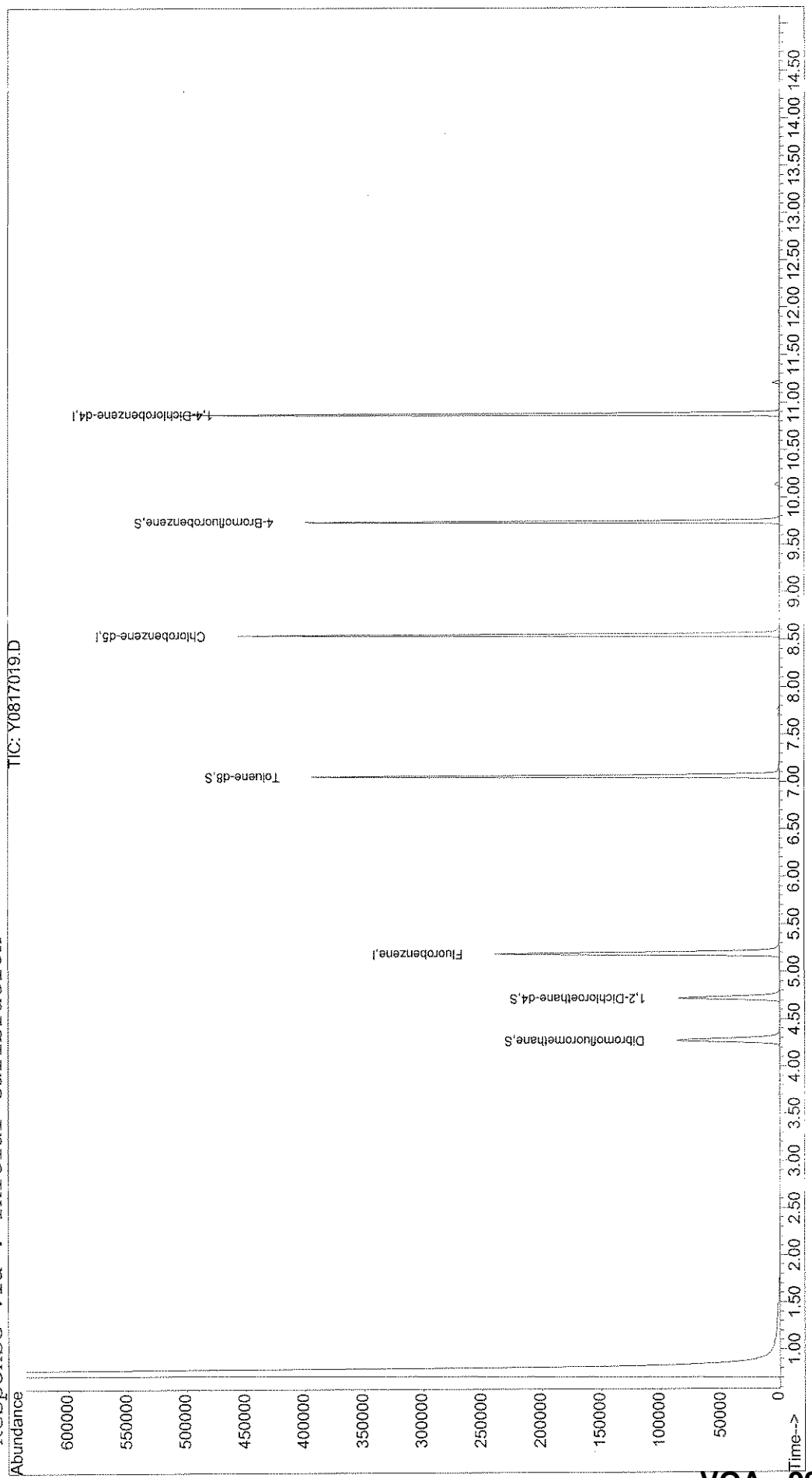
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817019.D Vial: 28
Acq On : 17 Aug 2006 15:33 Operator: LNW
Sample : JPL15-009 MW-14-4 Inst : Yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:24 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



VOA - 99

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817019.D
 Acq On : 17 Aug 2006 15:33
 Sample : JPL15-009 MW-14-4
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:24 2006

Vial: 28
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	254945	50.00	ug/l	0.00 63.19%
50) Chlorobenzene-d5	8.55	82	112411	50.00	ug/l	0.00 67.09%
69) 1,4-Dichlorobenzene-d4	10.88	152	131562	50.00	ug/l	0.00 75.61%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	77599	50.03	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	76739	49.47	ug/l	0.00
51) Toluene-d8	7.06	98	250007	47.81	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	101355	46.01	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0817019.D 8260B.M Fri Aug 18 07:24:30 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817019.D
 Acq On : 17 Aug 2006 15:33
 Sample : JPL15-009 MW-14-4
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:24 2006

Vial: 28
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.04	83	172		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.06	43	697		N.D.	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.71	166	675		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.85	91	138		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.74	105	54		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817019.D 8260B.M Fri Aug 18 07:24:30 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817019.D
 Acq On : 17 Aug 2006 15:33
 Sample : JPL15-009 MW-14-4
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:24 2006

Vial: 28
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.89	119	116		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	294		N.D.	
85) n-Butylbenzene	11.30	91	98		N.D.	
86) 1,2-Dichlorobenzene	11.26	146	282		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817019.D 8260B.M Fri Aug 18 07:24:30 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817019.D Vial: 28
Acq On : 17 Aug 2006 15:33 Operator: LNW
Sample : JPL15-009 MW-14-4 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817019.D 8260B.M Fri Aug 18 07:24:37 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817020.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 15:58

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
75-71-8	Dichlorodifluoromethane	0.50		U
74-87-3	Chloromethane	0.50		U
75-01-4	Vinyl chloride	0.50		U
74-83-9	Bromomethane	0.50		U
75-00-3	Chloroethane	0.50		U
75-69-4	Trichlorofluoromethane	0.50		U
75-35-4	1,1-Dichloroethene	0.50		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		U
75-09-2	Methylene chloride	0.50		U
1634-04-4	Methyl tert-butyl ether	0.50		U
156-60-5	trans-1,2-Dichloroethene	0.50		U
75-34-3	1,1-Dichloroethane	0.50		U
594-20-7	2,2-Dichloropropane	0.50		U
156-59-2	cis-1,2-Dichloroethene	0.50		U
78-93-3	2-Butanone	5.0		U
74-97-5	Bromochloromethane	0.50		U
67-66-3	Chloroform	0.50		U
71-55-6	1,1,1-Trichloroethane	0.50		U
56-23-5	Carbon tetrachloride	0.50		U
563-58-6	1,1-Dichloropropene	0.50		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	0.50		U
79-01-6	Trichloroethene	1.4		
78-87-5	1,2-Dichloropropane	0.50		U
74-95-3	Dibromomethane	0.50		U
75-27-4	Bromodichloromethane	0.50		U
10061-01-	cis-1,3-Dichloropropene	0.50		U
108-10-1	4-Methyl-2-pentanone	5.0		U
108-88-3	Toluene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-010
 Lab File ID: Y0817020.D
 Date Collected: 08/16/2006
 Date/Time Analyzed: 08/17/2006 15:58
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.53	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817020.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 15:58

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817020.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

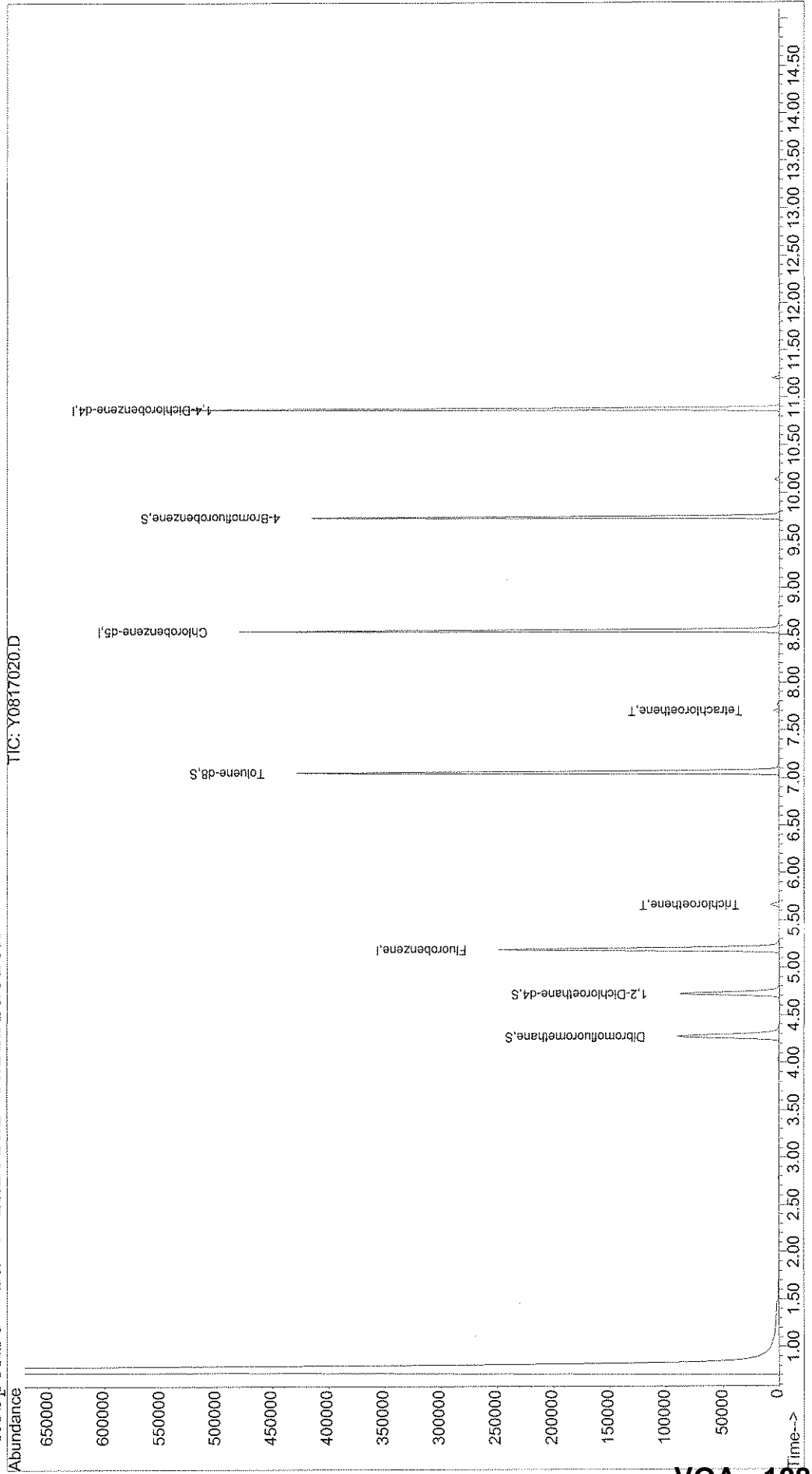
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817020.D Vial: 29
Acq On : 17 Aug 2006 15:58 Operator: LNW
Sample : JPL15-010 MW-14-3 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:25 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817020.D
 Acq On : 17 Aug 2006 15:58
 Sample : JPL15-010 MW-14-3
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:25 2006

Vial: 29
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.19	96	268024	50.00	ug/l	0.00 66.43%
50) Chlorobenzene-d5	8.55	82	121411	50.00	ug/l	0.00 72.46%
69) 1,4-Dichlorobenzene-d4	10.88	152	140508	50.00	ug/l	0.00 80.75%

System Monitoring Compounds

32) Dibromofluoromethane	4.28	111	80839	49.58	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	81333	49.87	ug/l	0.00
51) Toluene-d8	7.06	98	267742	47.41	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	108581	46.15	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.79	63	1254	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0817020.D 8260B.M Fri Aug 18 07:31:57 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817020.D
 Acq On : 17 Aug 2006 15:58
 Sample : JPL15-010 MW-14-3
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:25 2006

Vial: 29
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.04	83	1774		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.67	130	3442	1.39	ug/l ✓	98
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	6.27	83	56		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.05	43	866		N.D.	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.71	166	1546	0.53	ug/l ✓	98
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.85	91	229		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	116		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.74	105	131		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Er 8/18/06

(#) = qualifier out of range (m) = manual integration
 Y0817020.D 8260B.M Fri Aug 18 07:31:58 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817020.D
 Acq On : 17 Aug 2006 15:58
 Sample : JPL15-010 MW-14-3
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:25 2006

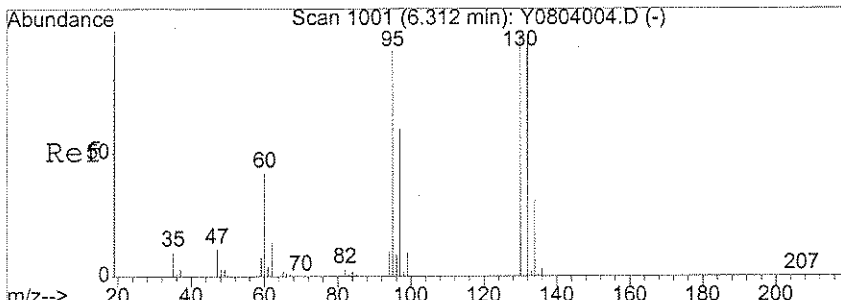
Vial: 29
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

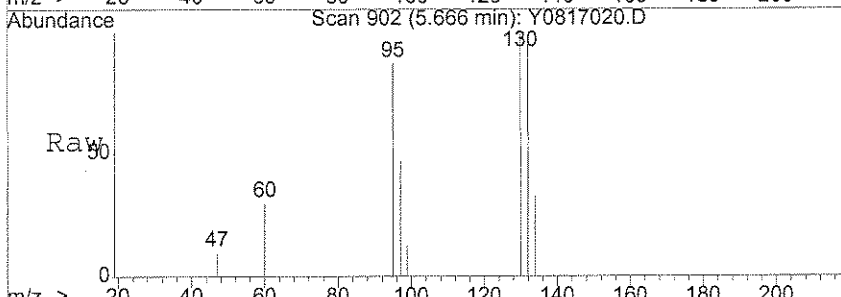
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	59		N.D.	
81) sec-butylbenzene	10.74	105	59		N.D.	
82) 4-Isopropyltoluene	0.00	119	0		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	88		N.D.	
84) 1,4-Dichlorobenzene	10.90	146	330		N.D.	
85) n-Butylbenzene	11.30	91	53		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	319		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	13.03	225	66		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0817020.D 8260B.M Fri Aug 18 07:31:58 2006

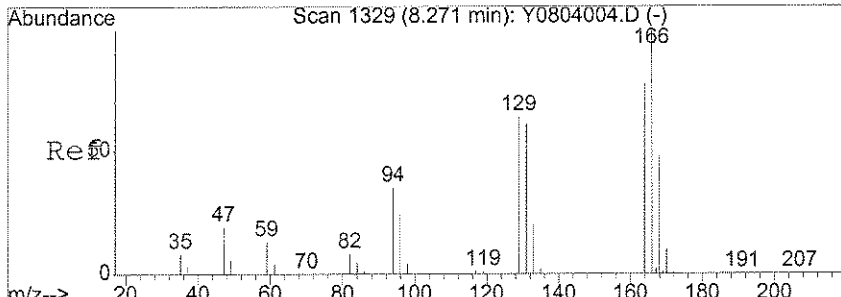
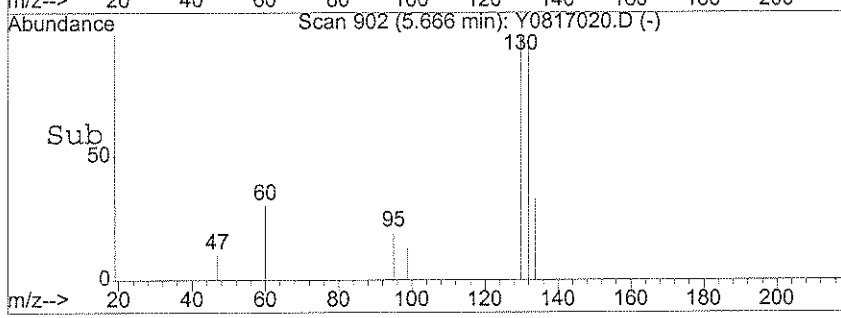
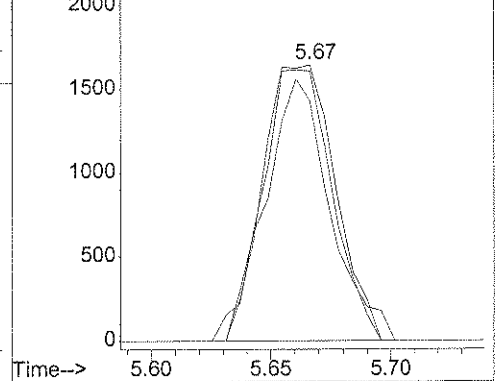


#42
 Trichloroethene
 Concen: 1.39 ug/l
 RT: 5.67 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: Y0817020.D
 Acq: 17 Aug 2006 15:58

Tgt Ion	Resp	Lower	Upper
130	3442		
132	94.9	76.9	116.9
95	84.7	67.3	107.3

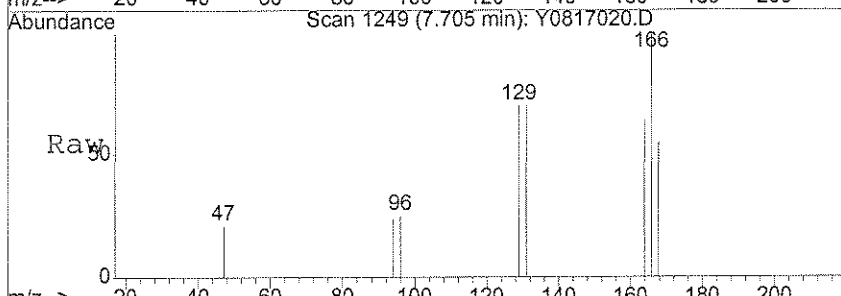


Abundance
 Ion 130.00 (129.70 to 130.70): Y081702
 Ion 132.00 (131.70 to 132.70): Y081702
 Ion 95.00 (94.70 to 95.70): Y0817020.D

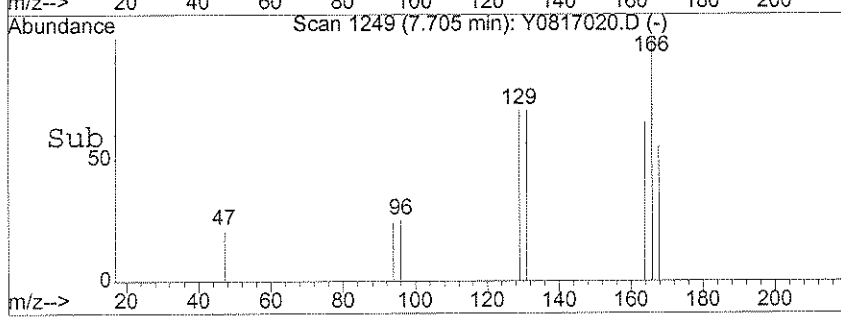
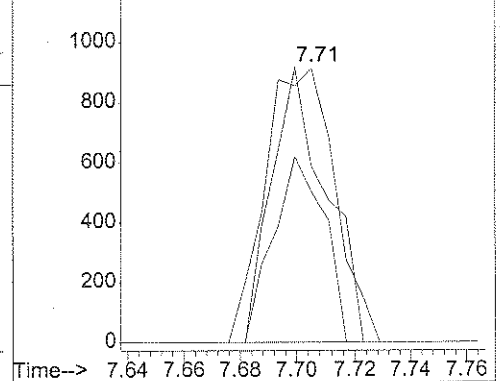


#56
 Tetrachloroethene
 Concen: 0.53 ug/l
 RT: 7.71 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: Y0817020.D
 Acq: 17 Aug 2006 15:58

Tgt Ion	Resp	Lower	Upper
166	1546		
164	78.3	61.7	92.5
168	49.7	38.6	57.8



Abundance
 Ion 165.95 (165.65 to 166.65): Y081702
 Ion 163.95 (163.65 to 164.65): Y081702
 Ion 167.95 (167.65 to 168.65): Y081702



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817020.D Vial: 29
Acq On : 17 Aug 2006 15:58 Operator: LNW
Sample : JPL15-010 MW-14-3 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817020.D 8260B.M Fri Aug 18 07:32:08 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPLi5

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817021.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 16:23

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	5.3	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817021.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 16:23

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-011
 Lab File ID: Y0817021.D
 Date Collected: 08/16/2006
 Date/Time Analyzed: 08/17/2006 16:23
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-011
 Lab File ID: Y0817021.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

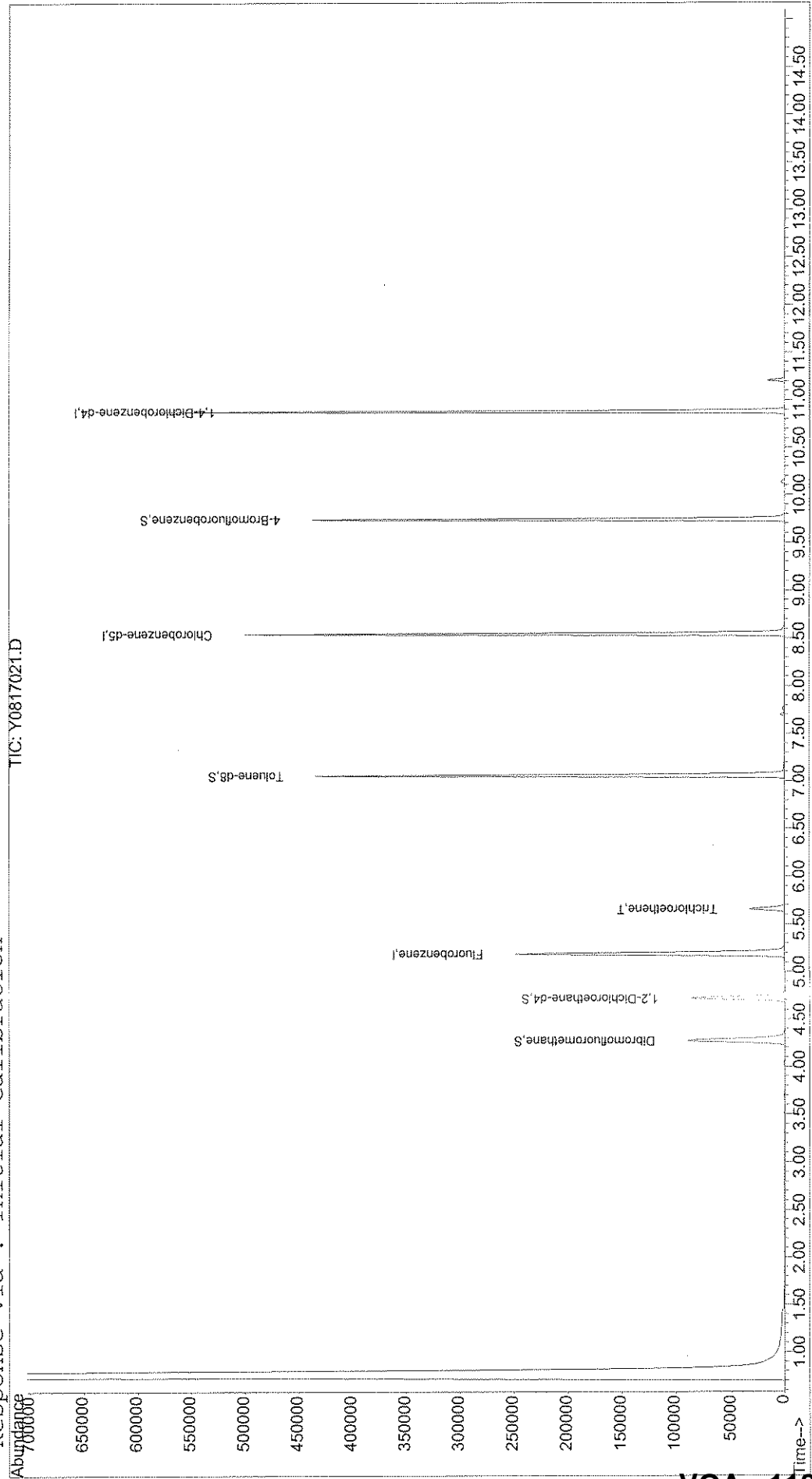
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817021.D Vial: 30
Acq On : 17 Aug 2006 16:23 Operator: LNW
Sample : JPL15-011 MW-14-2 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:31 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817021.D
 Acq On : 17 Aug 2006 16:23
 Sample : JPL15-011 MW-14-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:31 2006

Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	271943	50.00	ug/l	0.00 67.40%
50) Chlorobenzene-d5	8.55	82	123075	50.00	ug/l	0.00 73.45%
69) 1,4-Dichlorobenzene-d4	10.88	152	145845	50.00	ug/l	0.00 83.81%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	82523	49.88	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	81586	49.30	ug/l	0.00
51) Toluene-d8	7.06	98	274365	47.93	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	113316	46.40	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	2.36	96	180	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.79	63	692	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	3.52	96	292	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0817021.D 8260B.M Fri Aug 18 07:31:39 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817021.D
 Acq On : 17 Aug 2006 16:23
 Sample : JPL15-011 MW-14-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:31 2006

Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.04	83	1590		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.66	130	13236	5.25	ug/l ✓	99
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.06	43	941		N.D.	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.70	166	1247		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.85	91	201		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	82		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Yen 8/18/06

(#) = qualifier out of range (m) = manual integration
 Y0817021.D 8260B.M Fri Aug 18 07:31:39 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817021.D
 Acq On : 17 Aug 2006 16:23
 Sample : JPL15-011 MW-14-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:31 2006

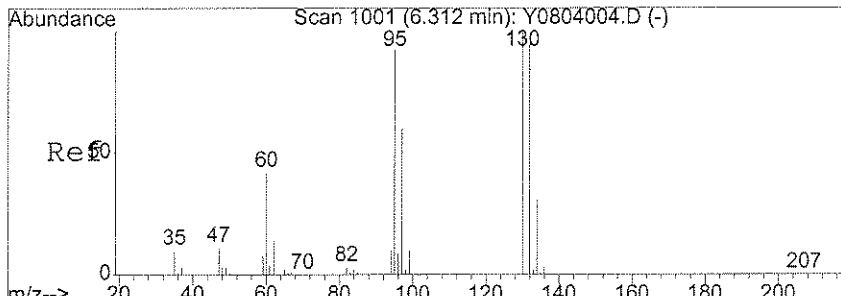
Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

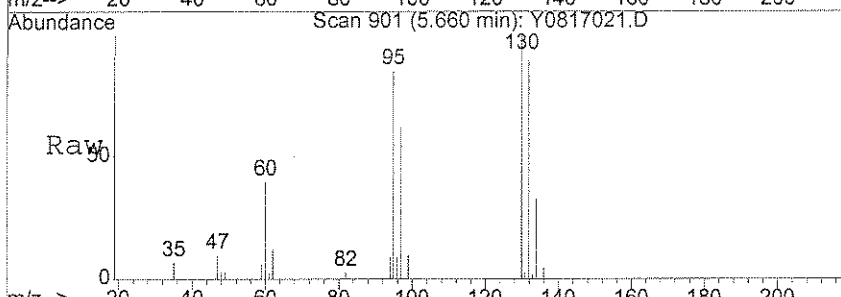
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.03	91	61		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.03	91	61		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	59		N.D.	
81) sec-butylbenzene	10.74	105	59		N.D.	
82) 4-Isopropyltoluene	10.90	119	54		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.91	146	69		N.D.	
85) n-Butylbenzene	11.29	91	70		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0817021.D 8260B.M Fri Aug 18 07:31:40 2006

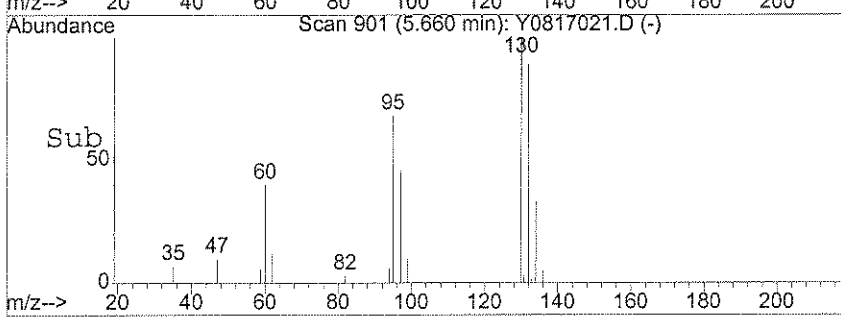
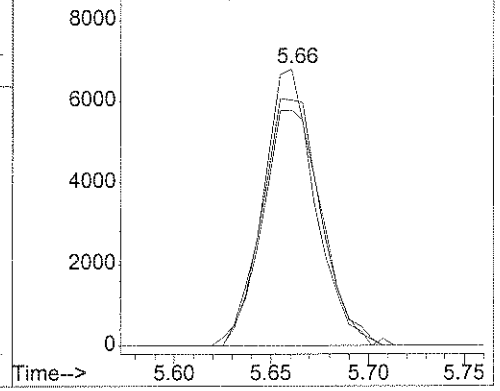


#42
 Trichloroethene
 Concen: 5.25 ug/l
 RT: 5.66 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: Y0817021.D
 Acq: 17 Aug 2006 16:23

Tgt Ion	Resp	Lower	Upper
130	13236		
130	100		
132	97.0	76.9	116.9
95	89.0	67.3	107.3



Abundance
 Ion 130.00 (129.70 to 130.70): Y081702
 Ion 132.00 (131.70 to 132.70): Y081702
 Ion 95.00 (94.70 to 95.70): Y0817021.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817021.D Vial: 30
Acq On : 17 Aug 2006 16:23 Operator: LNW
Sample : JPL15-011 MW-14-2 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817021.D 8260B.M Fri Aug 18 07:31:46 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-012
 Lab File ID: Y0817022.D
 Date Collected: 08/16/2006
 Date/Time Analyzed: 08/17/2006 16:48
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-012
 Lab File ID: Y0817022.D
 Date Collected: 08/16/2006
 Date/Time Analyzed: 08/17/2006 16:48
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-14-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-012
 Lab File ID: Y0817022.D
 Date Collected: 08/16/2006
 Date/Time Analyzed: 08/17/2006 16:48
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-012
 Lab File ID: Y0817022.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

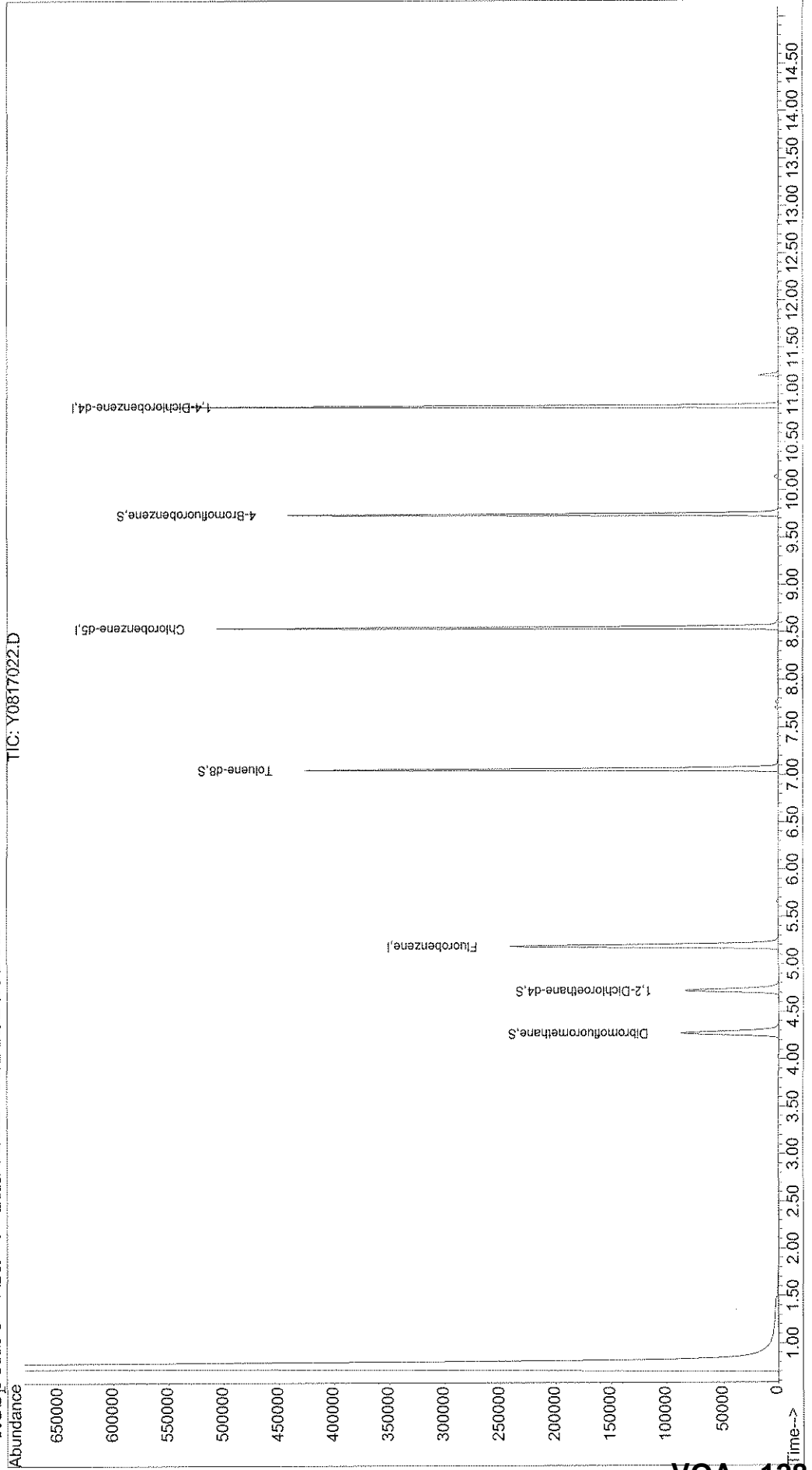
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817022.D Vial: 31
Acq On : 17 Aug 2006 16:48 Operator: LNW
Sample : JPL15-012 MW-14-1 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:32 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



VOA - 128

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817022.D
 Acq On : 17 Aug 2006 16:48
 Sample : JPL15-012 MW-14-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:32 2006

Vial: 31
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	268855	50.00	ug/l	0.00 66.63%
50) Chlorobenzene-d5	8.55	82	127295	50.00	ug/l	0.00 75.97%
69) 1,4-Dichlorobenzene-d4	10.88	152	139670	50.00	ug/l	0.00 80.26%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	80558	49.25	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	80957	49.49	ug/l	0.00
51) Toluene-d8	7.06	98	275079	46.46	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	113326	48.46	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.79	63	562	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0817022.D 8260B.M Fri Aug 18 07:32:58 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817022.D
 Acq On : 17 Aug 2006 16:48
 Sample : JPL15-012 MW-14-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:32 2006

Vial: 31
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.03	83	950		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.66	130	722		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.06	43	822		N.D.	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.71	166	997		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.84	91	274		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.40	173	59		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817022.D 8260B.M Fri Aug 18 07:32:59 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817022.D
 Acq On : 17 Aug 2006 16:48
 Sample : JPL15-012 MW-14-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:32 2006

Vial: 31
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.90	119	127		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.30	91	151		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817022.D 8260B.M Fri Aug 18 07:32:59 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817022.D Vial: 31
Acq On : 17 Aug 2006 16:48 Operator: LNW
Sample : JPL15-012 MW-14-1 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817022.D 8260B.M Fri Aug 18 07:33:03 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-013
 Lab File ID: Y0817012.D
 Date Collected: 08/16/2006
 Date/Time Analyzed: 08/17/2006 12:41
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817012.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 12:41

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
10061-02-	trans-1,3-Dichloropropene	0.50		U
79-00-5	1,1,2-Trichloroethane	0.50		U
127-18-4	Tetrachloroethene	0.50		U
142-28-9	1,3-Dichloropropane	0.50		U
124-48-1	Dibromochloromethane	0.50		U
106-93-4	1,2-Dibromoethane	0.50		U
108-90-7	Chlorobenzene	0.50		U
100-41-4	Ethylbenzene	0.50		U
630-20-6	1,1,1,2-Tetrachloroethane	0.50		U
179601-23	m,p-Xylene	1.0		U
95-47-6	o-Xylene	0.50		U
100-42-5	Styrene	0.50		U
75-25-2	Bromoform	0.50		U
98-82-8	Isopropylbenzene	0.50		U
79-34-5	1,1,2,2-Tetrachloroethane	0.50		U
103-65-1	n-Propylbenzene	0.50		U
108-86-1	Bromobenzene	0.50		U
96-18-4	1,2,3-Trichloropropane	0.50		U
95-49-8	2-Chlorotoluene	0.50		U
108-67-8	1,3,5-Trimethylbenzene	0.50		U
106-43-4	4-Chlorotoluene	0.50		U
98-06-6	tert-Butylbenzene	0.50		U
95-63-6	1,2,4-Trimethylbenzene	0.50		U
135-98-8	sec-Butylbenzene	0.50		U
99-87-6	4-Isopropyltoluene	0.50		U
541-73-1	1,3-Dichlorobenzene	0.50		U
106-46-7	1,4-Dichlorobenzene	0.50		U
104-51-8	n-Butylbenzene	0.50		U
95-50-1	1,2-Dichlorobenzene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817012.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 12:41

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817012.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

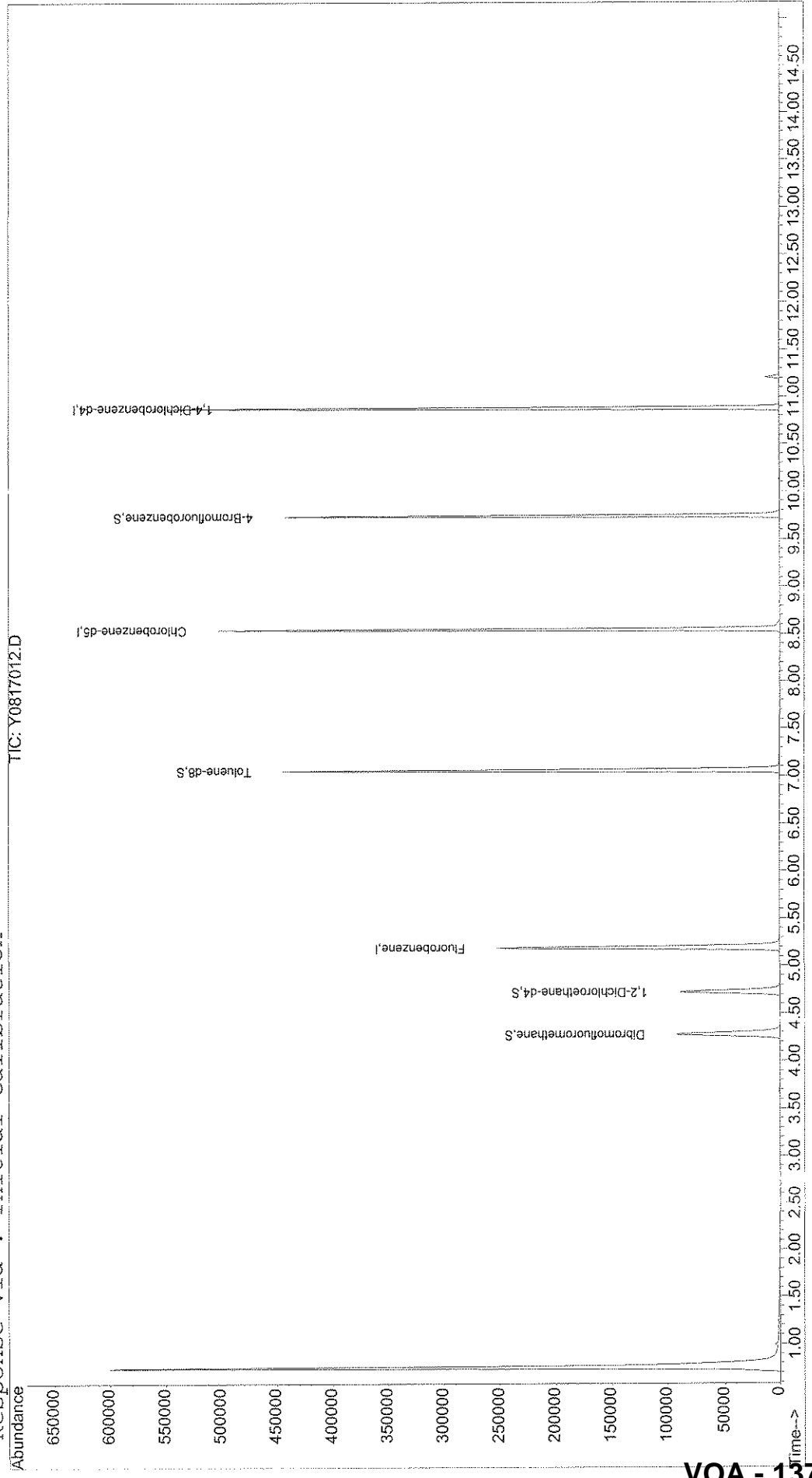
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817012.D Vial: 21
Acq On : 17 Aug 2006 12:41 Operator: LNW
Sample : JPL15-013 EB-2-8/16/06 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:10 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817012.D
 Acq On : 17 Aug 2006 12:41
 Sample : JPL15-013 EB-2-8/16/06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:10 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	279843	50.00	ug/l	0.00 69.36%
50) Chlorobenzene-d5	8.55	82	127250	50.00	ug/l	0.00 75.94%
69) 1,4-Dichlorobenzene-d4	10.88	152	142935	50.00	ug/l	0.00 82.14%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	84293	49.51	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	83050	48.77	ug/l	0.00
51) Toluene-d8	7.06	98	280560	47.40	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	113980	47.63	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0817012.D 8260B.M Fri Aug 18 07:10:42 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817012.D
 Acq On : 17 Aug 2006 12:41
 Sample : JPL15-013 EB-2-8/16/06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:10 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.06	43	887		N.D.	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.84	91	298		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817012.D 8260B.M Fri Aug 18 07:10:42 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817012.D
 Acq On : 17 Aug 2006 12:41
 Sample : JPL15-013 EB-2-8/16/06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:10 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	240		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	240		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	221		N.D.	
81) sec-butylbenzene	10.74	105	221		N.D.	
82) 4-Isopropyltoluene	10.89	119	395		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	116		N.D.	
85) n-Butylbenzene	11.30	91	383		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817012.D 8260B.M Fri Aug 18 07:10:43 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817012.D Vial: 21
Acq On : 17 Aug 2006 12:41 Operator: LNW
Sample : JPL15-013 EB-2-8/16/06 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817012.D 8260B.M Fri Aug 18 07:10:48 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-014

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817010.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 11:51

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
75-71-8	Dichlorodifluoromethane	0.50		U
74-87-3	Chloromethane	0.50		U
75-01-4	Vinyl chloride	0.50		U
74-83-9	Bromomethane	0.50		U
75-00-3	Chloroethane	0.50		U
75-69-4	Trichlorofluoromethane	0.50		U
75-35-4	1,1-Dichloroethene	0.50		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		U
75-09-2	Methylene chloride	0.50		U
1634-04-4	Methyl tert-butyl ether	0.50		U
156-60-5	trans-1,2-Dichloroethene	0.50		U
75-34-3	1,1-Dichloroethane	0.50		U
594-20-7	2,2-Dichloropropane	0.50		U
156-59-2	cis-1,2-Dichloroethene	0.50		U
78-93-3	2-Butanone	5.0		U
74-97-5	Bromochloromethane	0.50		U
67-66-3	Chloroform	0.50		U
71-55-6	1,1,1-Trichloroethane	0.50		U
56-23-5	Carbon tetrachloride	0.50		U
563-58-6	1,1-Dichloropropene	0.50		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	0.50		U
79-01-6	Trichloroethene	0.50		U
78-87-5	1,2-Dichloropropane	0.50		U
74-95-3	Dibromomethane	0.50		U
75-27-4	Bromodichloromethane	0.50		U
10061-01-	cis-1,3-Dichloropropene	0.50		U
108-10-1	4-Methyl-2-pentanone	5.0		U
108-88-3	Toluene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL15-014

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817010.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/17/2006 11:51

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL15
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-014
 Lab File ID: Y0817010.D
 Date Collected: 08/16/2006
 Date/Time Analyzed: 08/17/2006 11:51
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-014
 Lab File ID: Y0817010.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

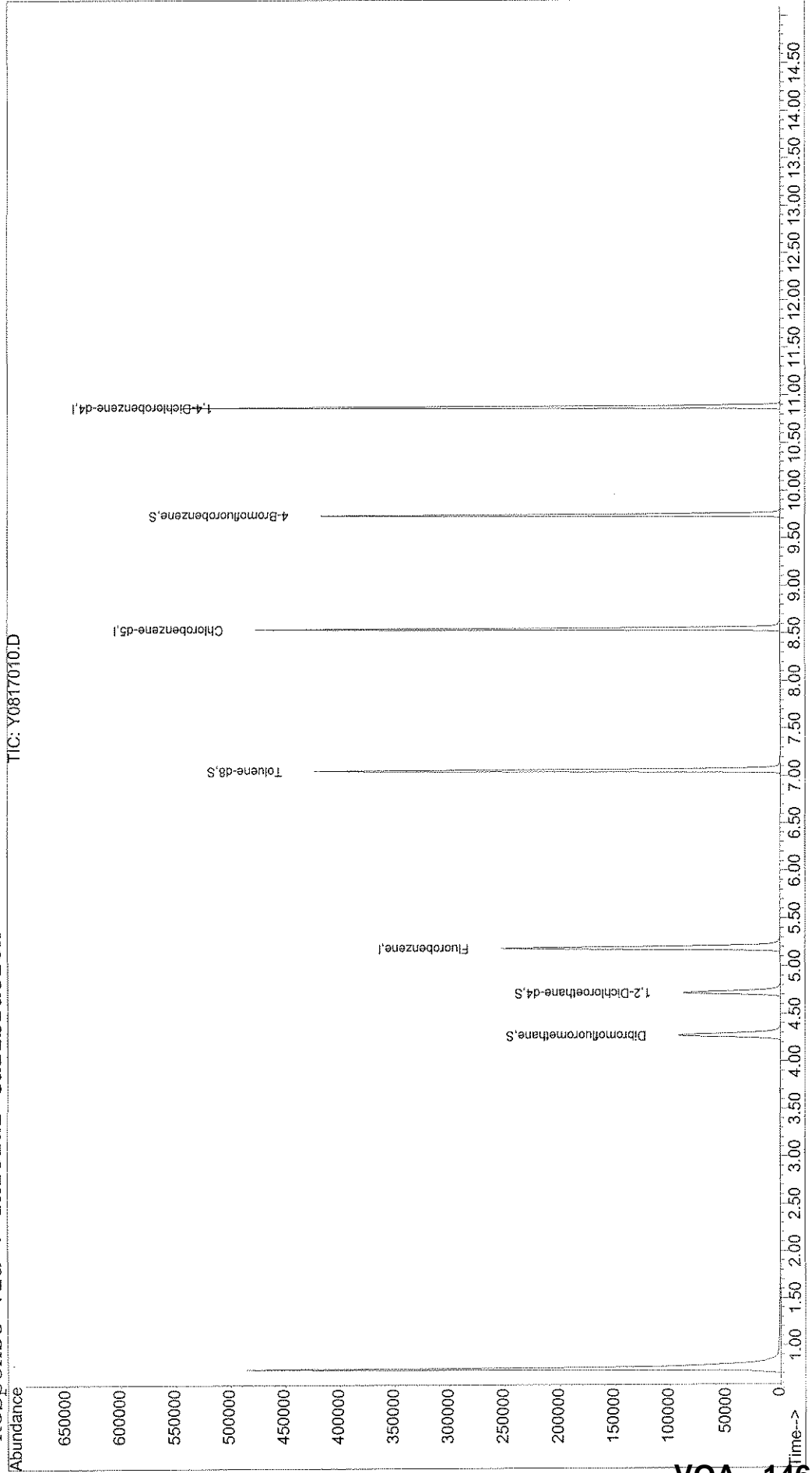
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817010.D Vial: 19
Acq On : 17 Aug 2006 11:51 Operator: LNW
Sample : JPL15-014 TB-2-8/16/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Aug 18 7:08 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Jul 20 06:38:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817010.D
 Acq On : 17 Aug 2006 11:51
 Sample : JPL15-014 TB-2-8/16/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:08 2006

Vial: 19
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\062606\Y0626008.D (26 Jun 2006 9:24)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.19	96	274997	50.00	ug/l	0.00	68.16%
50) Chlorobenzene-d5	8.55	82	119895	50.00	ug/l	0.00	71.55%
69) 1,4-Dichlorobenzene-d4	10.88	152	139831	50.00	ug/l	0.00	80.36%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	83192	49.73	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	81088	48.46	ug/l	0.00	
51) Toluene-d8	7.06	98	268209	48.09	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	110492	47.19	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	72	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0817010.D 8260B.M Fri Aug 18 07:08:40 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817010.D
 Acq On : 17 Aug 2006 11:51
 Sample : JPL15-014 TB-2-8/16/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:08 2006

Vial: 19
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.61	43	59		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	7.05	43	922		N.D.	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.72	91	186		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	117		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.74	105	92		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817010.D 8260B.M Fri Aug 18 07:08:40 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817010.D
 Acq On : 17 Aug 2006 11:51
 Sample : JPL15-014 TB-2-8/16/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Aug 18 7:08 2006

Vial: 19
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Jul 20 06:38:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.07	91	88		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	66		N.D.	
78) 4-Chlorotoluene	10.18	91	150		N.D.	
79) tert-Butylbenzene	10.52	119	64		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	247		N.D.	
81) sec-butylbenzene	10.73	105	334		N.D.	
82) 4-Isopropyltoluene	10.90	119	400		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	209		N.D.	
85) n-Butylbenzene	11.29	91	523		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	13.04	225	269		N.D.	
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0817010.D 8260B.M Fri Aug 18 07:08:40 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\081706\Y0817010.D Vial: 19
Acq On : 17 Aug 2006 11:51 Operator: LNW
Sample : JPL15-014 TB-2-8/16/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0817010.D 8260B.M Fri Aug 18 08:05:45 2006

Miscellaneous Inorganic Data

JPL15

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

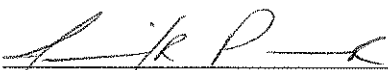
Lab Name: LAUCKS TESTING LABS, INC.

Lab Code: LAUCKS

SDG No.: JPL15

Client Identification	Lab Sample Work Order Number
MW-21-5	JPL15-001DL
MW-21-4	JPL15-002DL
MW-21-3	JPL15-003DL
MW-21-2	JPL15-004DL
MW-21-1	JPL15-005DL
EB-1-8/15/06	JPL15-006
MW-14-5	JPL15-008DL
MW-14-4	JPL15-009DL
MW-14-3	JPL15-010DL
MW-14-2	JPL15-011DL
MW-14-1	JPL15-012DL
MW-14-1MS	JPL15-012MS
MS-14-1MSD	JPL15-012MSD
EB-2-8/16/06	JPL15-013

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Jennifer Penner

Date: 9-6-06

Title: Inorganics Lead

Inorganic Analysis Data Sheets

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-21-5 **Date/Time Collected:** 08/15/2006 08:14
Lab Sample ID: JPL15-001 **Date/Time Received:** 08/16/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-21-4 Date/Time Collected: 08/15/2006 08:44
Lab Sample ID: JPL15-002 Date/Time Received: 08/16/2006 08:30
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-21-3 **Date/Time Collected:** 08/15/2006 09:12
Lab Sample ID: JPL15-003 **Date/Time Received:** 08/16/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-21-2 Date/Time Collected: 08/15/2006 09:34
Lab Sample ID: JPL15-004 Date/Time Received: 08/16/2006 08:30
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-21-1 **Date/Time Collected:** 08/15/2006 10:08
Lab Sample ID: JPL15-005 **Date/Time Received:** 08/16/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: EB-1-8/15/06 Date/Time Collected: 08/15/2006 09:55
Lab Sample ID: JPL15-006 Date/Time Received: 08/16/2006 08:30
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.54	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-14-5 **Date/Time Collected:** 08/16/2006 08:01
Lab Sample ID: JPL15-008 **Date/Time Received:** 08/17/2006 08:15
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-14-4 **Date/Time Collected:** 08/16/2006 08:25
Lab Sample ID: JPL15-009 **Date/Time Received:** 08/17/2006 08:15
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-14-3 **Date/Time Collected:** 08/16/2006 09:00
Lab Sample ID: JPL15-010 **Date/Time Received:** 08/17/2006 08:15
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.6		4.0	2.2	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-14-2 **Date/Time Collected:** 08/16/2006 09:26
Lab Sample ID: JPL15-011 **Date/Time Received:** 08/17/2006 08:15
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: MW-14-1 **Date/Time Collected:** 08/16/2006 10:05
Lab Sample ID: JPL15-012 **Date/Time Received:** 08/17/2006 08:15
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	08/29/2006	08/30/2006	R010043

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL15
Sample Number: EB-2-8/16/06 **Date/Time Collected:** 08/16/2006 09:49
Lab Sample ID: JPL15-013 **Date/Time Received:** 08/17/2006 08:15
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.54	08/29/2006	08/30/2006	R010043

Metals Data

JPL15

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

SOW No.: _____

Sample No.	Lab Sample ID
MW-21-5	JPL15-001
MW-21-4	JPL15-002
MW-21-3	JPL15-003
MW-21-2	JPL15-004
MW-21-1	JPL15-005
EB-1-8/15/06	JPL15-006
MW-14-3	JPL15-010
MW-14-2	JPL15-011
MW-14-1	JPL15-012
MW-14-1MS	JPL15-012MS
MW-14-1MSD	JPL15-012MSD
EB-2-8/16/06	JPL15-013

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No NO

If yes-was raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is technically complete, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Hugh Prentice

Name: HUGH PRENTICE

Date: 9/6/06

Title: LAB DIRECTOR

Metals Analysis Data Sheets

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-21-5

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-001

Level (low/med): LOW

Date Received: 08/16/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.89				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-21-4

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-002

Level (low/med): LOW

Date Received: 08/16/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.88				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-21-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-003

Level (low/med): LOW

Date Received: 08/16/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.59				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-21-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-004

Level (low/med): LOW

Date Received: 08/16/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.04				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-21-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-005

Level (low/med): LOW

Date Received: 08/16/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.59				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-1-8/15/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-006

Level (low/med): LOW

Date Received: 08/16/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.93				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-14-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-010

Level (low/med): LOW

Date Received: 08/17/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.18				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-14-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-011

Level (low/med): LOW

Date Received: 08/17/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.76				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-14-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-012

Level (low/med): LOW

Date Received: 08/17/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.28				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-2-8/16/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL15

Matrix (soil/water): Water

Lab Sample ID: JPL15-013

Level (low/med): LOW

Date Received: 08/17/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.15				R009957

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-21-5

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-001
 Lab File ID: Y0817013.D
 Date Collected: 08/16/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-21-4

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817014.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-21-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817015.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-21-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817016.D

Level: (LOW/MED) _____

Date Collected: 08/16/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-21-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-005
 Lab File ID: Y0817017.D
 Date Collected: 08/16/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-006
 Lab File ID: Y0817011.D
 Date Collected: 08/16/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-1-8/15/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-007
 Lab File ID: Y0817009.D
 Date Collected: 08/16/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-5

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-008
 Lab File ID: Y0817018.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-009
 Lab File ID: Y0817019.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-010
 Lab File ID: Y0817020.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-011
 Lab File ID: Y0817021.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-14-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL15
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R009733
 Lab Sample ID: JPL15-012
 Lab File ID: Y0817022.D
 Date Collected: 08/17/2006
 Date Analyzed: 08/17/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817012.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-2-8/16/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL15

Run Sequence: R009733

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL15-014

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0817010.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date Analyzed: 08/17/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

SAMPLE DATA

SDG # JPL16

Volatiles Analysis

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-17-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-001
 Lab File ID: Y0831043.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 19:07
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.83	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-17-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-001

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831043.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 19:07

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-17-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-001

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831043.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 19:07

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-17-4

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-001

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831043.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

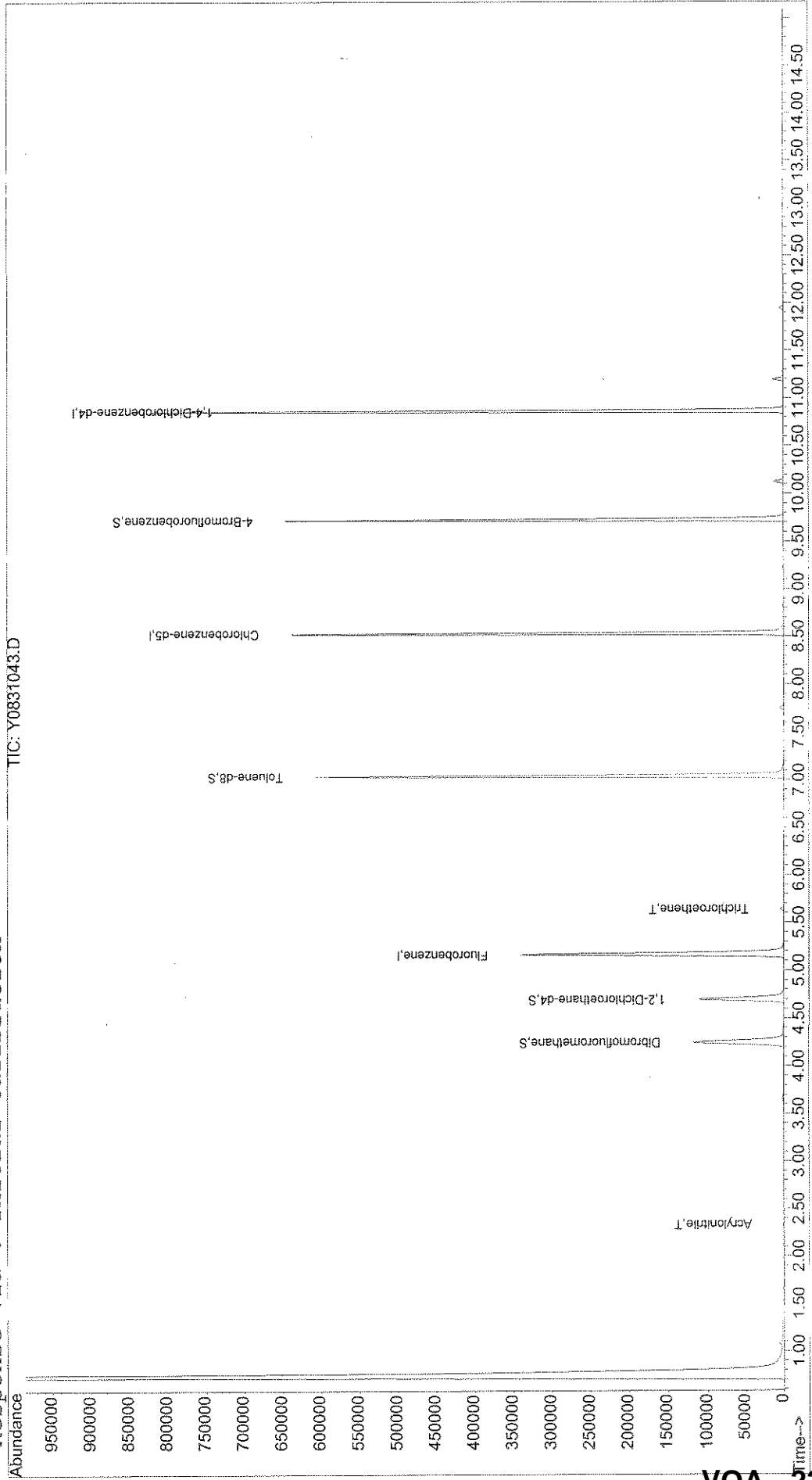
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831043.D Vial: 25
Acq On : 31 Aug 2006 19:07 Operator: DGA
Sample : JPL16-001 MW-17-4 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:20 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831043.D
 Acq On : 31 Aug 2006 19:07
 Sample : JPL16-001 MW-17-4
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:20 2006

Vial: 25
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	383257	50.00	ug/l	0.00	92.61%
50) Chlorobenzene-d5	8.53	82	168987	50.00	ug/l	0.00	91.67%
69) 1,4-Dichlorobenzene-d4	10.87	152	215711	50.00	ug/l	0.00	91.61%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	106522	51.09	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	100890	51.49	ug/l	0.00	
51) Toluene-d8	7.04	98	386756	50.12	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	159234	51.35	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.86	76	206	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	2.33	53	625	5.11	ug/l #	73
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

DGA 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831043.D 8260B.M Fri Sep 01 07:20:33 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831043.D
 Acq On : 31 Aug 2006 19:07
 Sample : JPL16-001 MW-17-4
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:20 2006

Vial: 25
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	463		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.76	78	116		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	2394	0.83	ug/l	91
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.69	166	135		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.82	91	554		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	165		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	526		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.59	105	138		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

EW 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831043.D 8260B.M Fri Sep 01 07:20:33 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831043.D
 Acq On : 31 Aug 2006 19:07
 Sample : JPL16-001 MW-17-4
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:20 2006

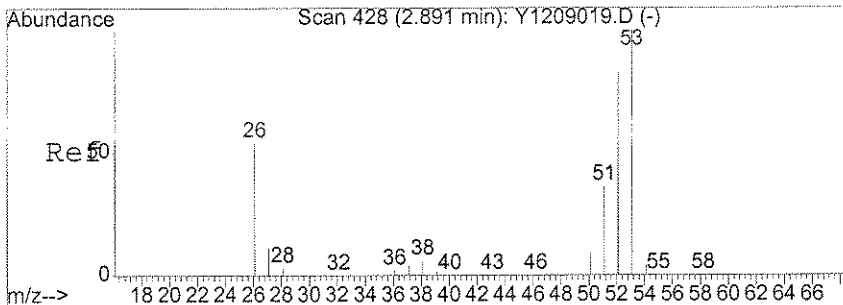
Vial: 25
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

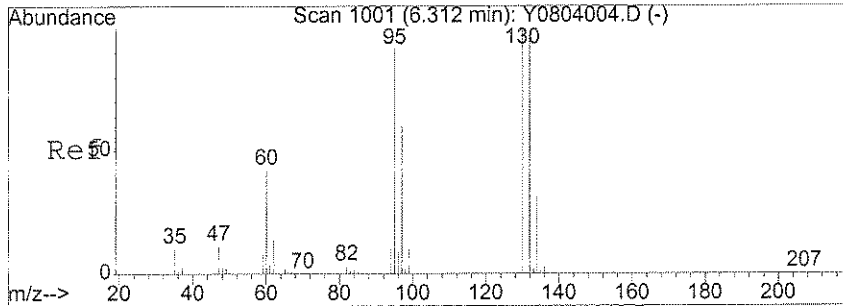
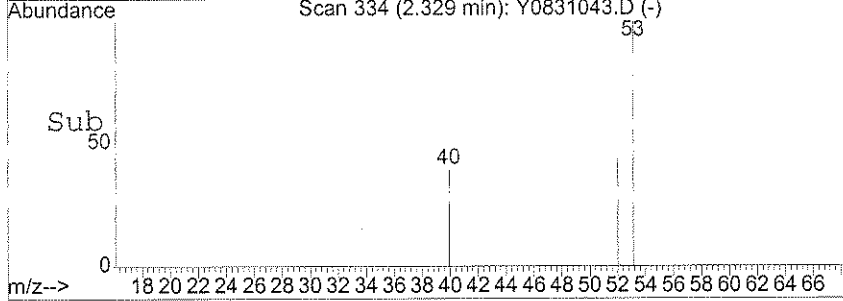
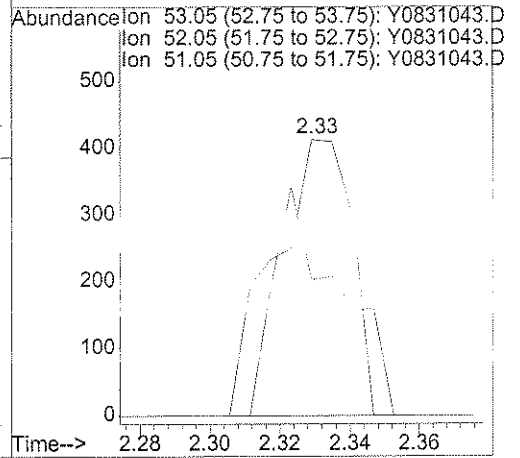
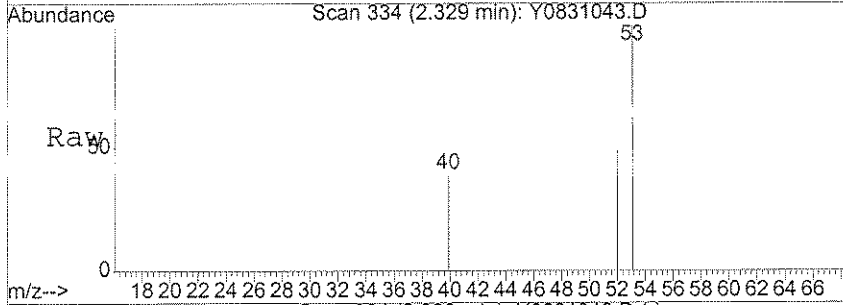
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	402		N.D.	
77) 1,3,5-Trimethylbenzene	10.19	105	174		N.D.	
78) 4-Chlorotoluene	10.17	91	245		N.D.	
79) tert-Butylbenzene	10.50	119	121		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	179		N.D.	
81) sec-butylbenzene	10.72	105	185		N.D.	
82) 4-Isopropyltoluene	10.87	119	527		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	78		N.D.	
85) n-Butylbenzene	11.28	91	543		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	56		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.06	128	314		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831043.D 8260B.M Fri Sep 01 07:20:33 2006



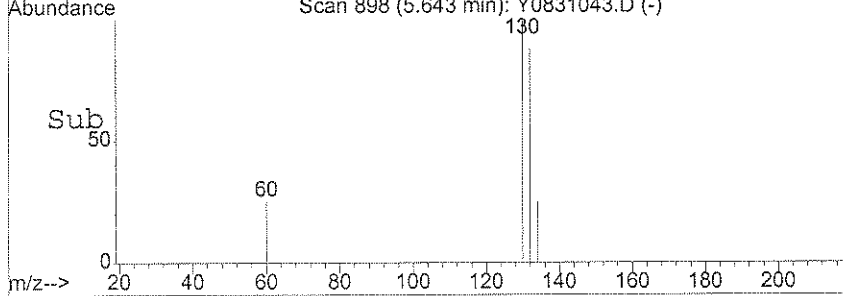
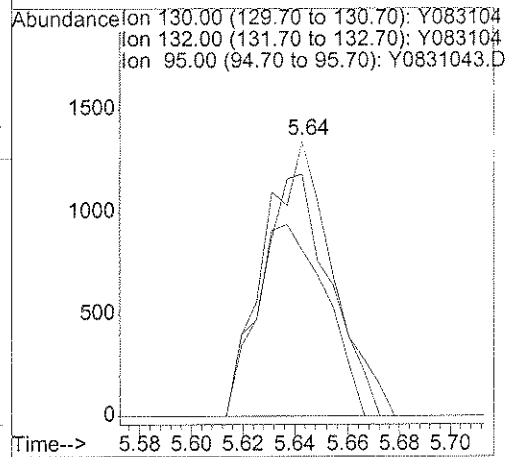
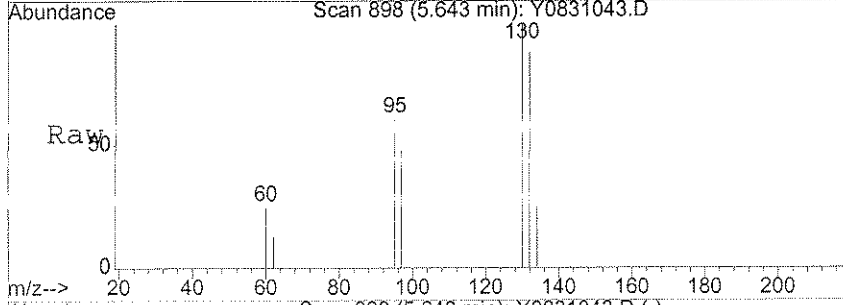
#21
 Acrylonitrile
 Concen: 5.11 ug/l
 RT: 2.33 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: Y0831043.D
 Acq: 31 Aug 2006 19:07

Tgt Ion:	53	Resp:	625
Ion	Ratio	Lower	Upper
53	100		
52	71.2	67.6	101.4
51	0.0	27.2	40.8#



#42
 Trichloroethene
 Concen: 0.83 ug/l
 RT: 5.64 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: Y0831043.D
 Acq: 31 Aug 2006 19:07

Tgt Ion:	130	Resp:	2394
Ion	Ratio	Lower	Upper
130	100		
132	93.1	76.9	116.9
95	73.1	67.3	107.3



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831043.D Vial: 25
Acq On : 31 Aug 2006 19:07 Operator: DGA
Sample : JPL16-001 MW-17-4 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831043.D 8260B.M Fri Sep 01 08:52:44 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-17-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831044.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 19:32

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.2	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	3.3	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	1.3	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-17-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-002
 Lab File ID: Y0831044.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 19:32
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.36	J
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-17-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831044.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 19:32

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-17-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-002
 Lab File ID: Y0831044.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

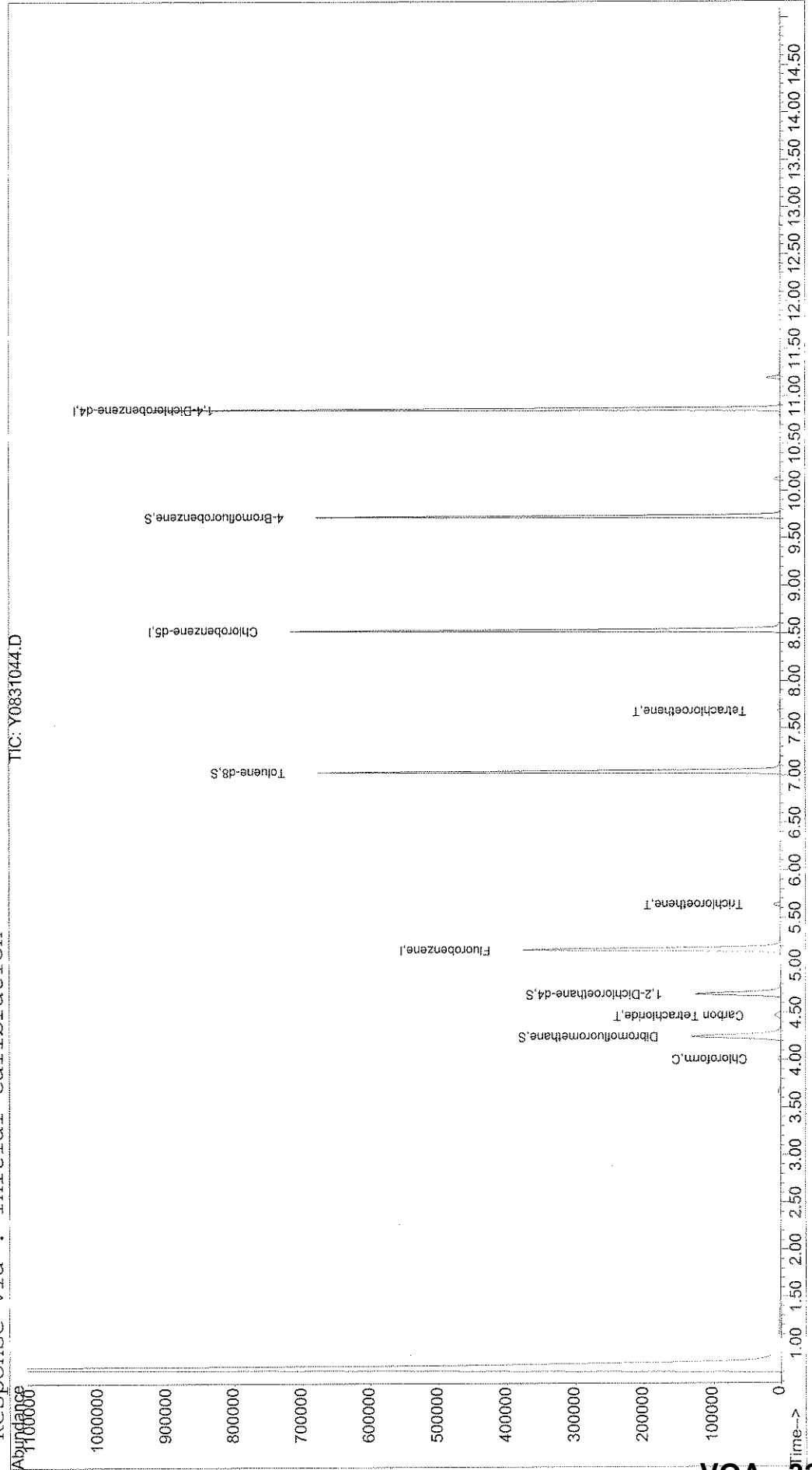
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831044.D Vial: 26
Acq On : 31 Aug 2006 19:32 Operator: DGA
Sample : JPL16-002 MW-17-3 Inst : yoda
Misc : 5mL+IS/SS #5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:21 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831044.D
 Acq On : 31 Aug 2006 19:32
 Sample : JPL16-002 MW-17-3
 Misc : 5mL+IS/SS #5
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:21 2006

Vial: 26
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.17	96	428492	50.00	ug/l	0.00 103.54%
50) Chlorobenzene-d5	8.53	82	186157	50.00	ug/l	0.00 100.99%
69) 1,4-Dichlorobenzene-d4	10.87	152	238307	50.00	ug/l	0.00 101.21%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	118760	50.95	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	113278	51.70	ug/l	0.00
51) Toluene-d8	7.04	98	434420	51.11	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	173999	50.79	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.77	43	136	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	77	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.78	63	463	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Y0831044.D 8260B.M Fri Sep 01 07:22:00 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831044.D
 Acq On : 31 Aug 2006 19:32
 Sample : JPL16-002 MW-17-3
 Misc : 5mL+IS/SS #5
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:21 2006

Vial: 26
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.53	43	54		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	5053	1.17	ug/l ✓	98
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	4.47	117	8493	3.29	ug/l ✓	96
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	4112	1.27	ug/l ✓	95
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	57		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.68	166	1239	0.36	ug/l ✓	89
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	240		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	278		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	58		N.D.	
68) Isopropylbenzene	9.60	105	79		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Detr 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831044.D 8260B.M Fri Sep 01 07:22:01 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831044.D
 Acq On : 31 Aug 2006 19:32
 Sample : JPL16-002 MW-17-3
 Misc : 5mL+IS/SS #5

Vial: 26
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

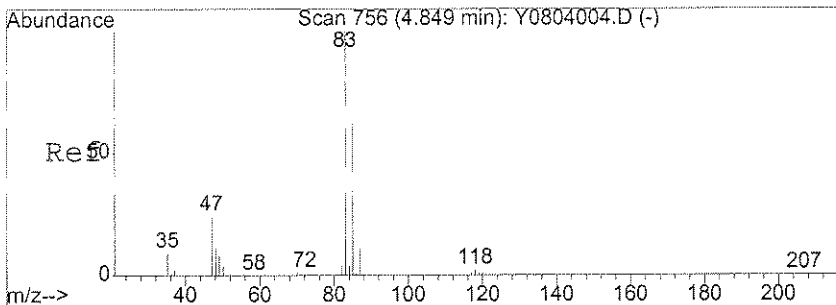
MS Integration Params: rteint.p
 Quant Time: Sep 1 7:21 2006

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

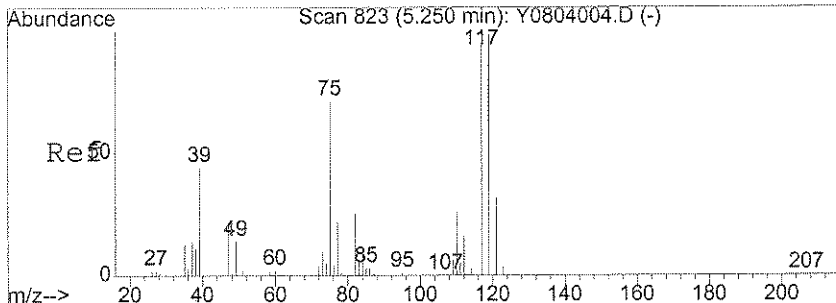
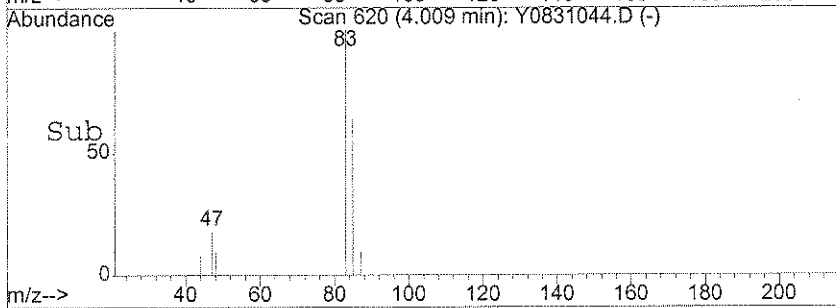
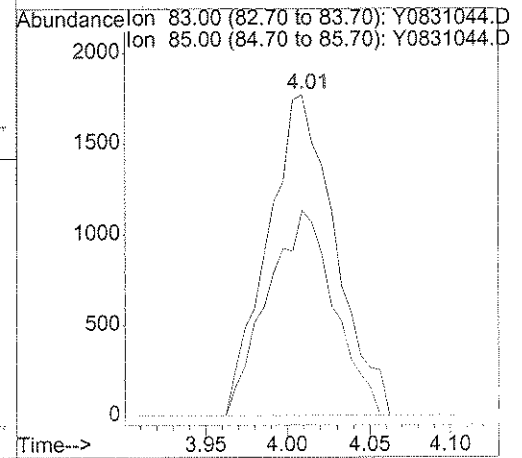
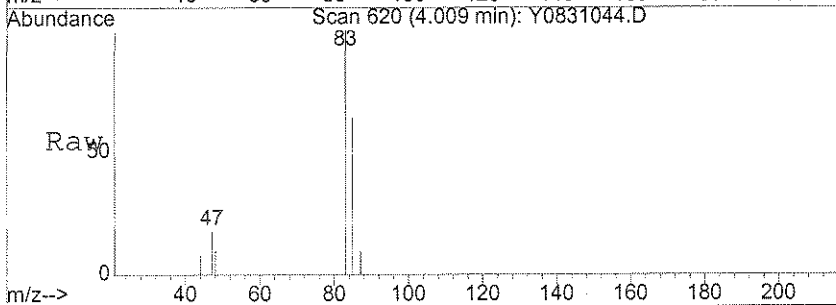
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	55		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	120		N.D.	
78) 4-Chlorotoluene	10.17	91	92		N.D.	
79) tert-Butylbenzene	10.50	119	57		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	192		N.D.	
81) sec-butylbenzene	10.73	105	297		N.D.	
82) 4-Isopropyltoluene	10.88	119	401		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	418		N.D.	
85) n-Butylbenzene	11.28	91	411		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	452		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	294		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831044.D 8260B.M Fri Sep 01 07:22:01 2006



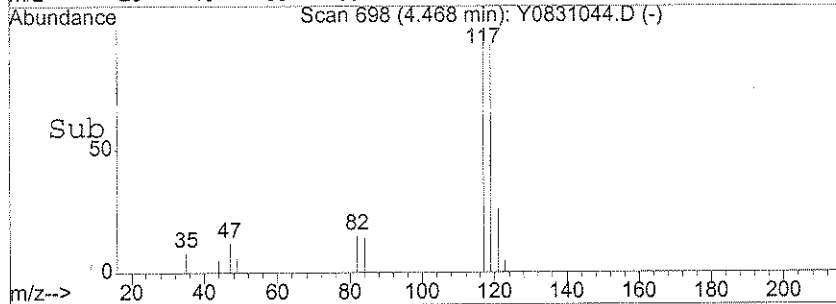
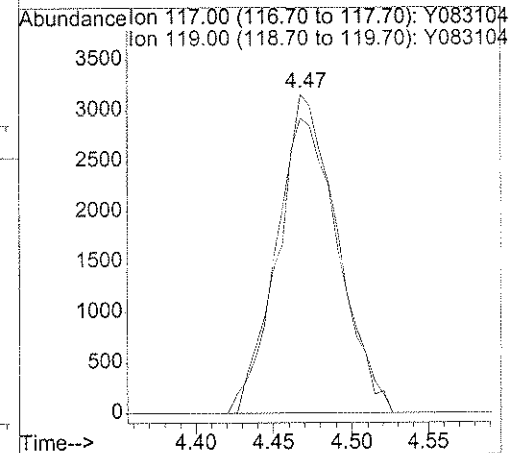
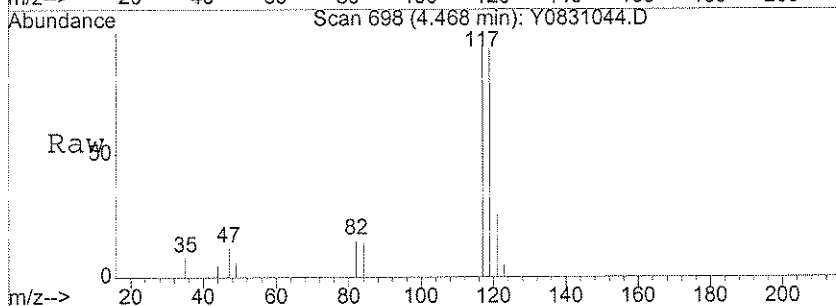
#31
 Chloroform
 Concen: 1.17 ug/l
 RT: 4.01 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: Y0831044.D
 Acq: 31 Aug 2006 19:32

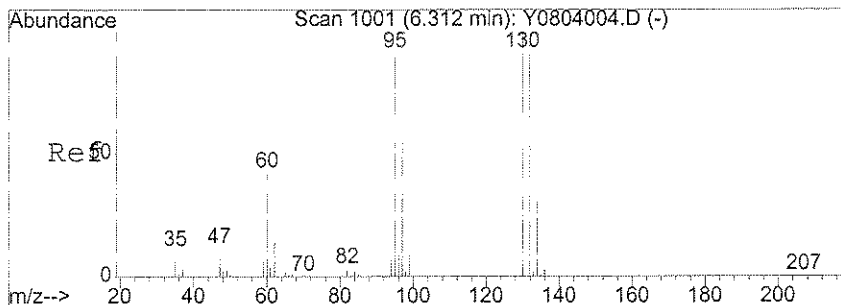
Tgt Ion: 83 Resp: 5053
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.6 84.6



#35
 Carbon Tetrachloride
 Concen: 3.29 ug/l
 RT: 4.47 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: Y0831044.D
 Acq: 31 Aug 2006 19:32

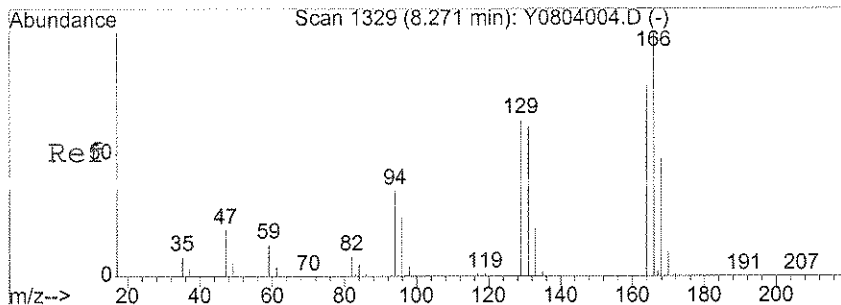
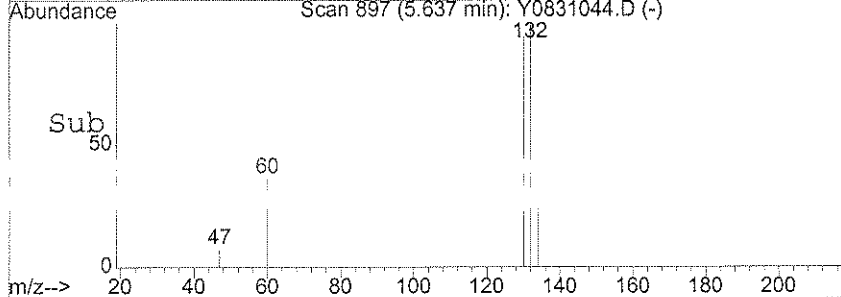
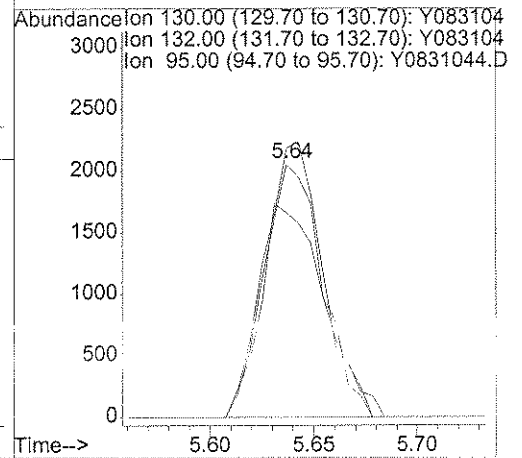
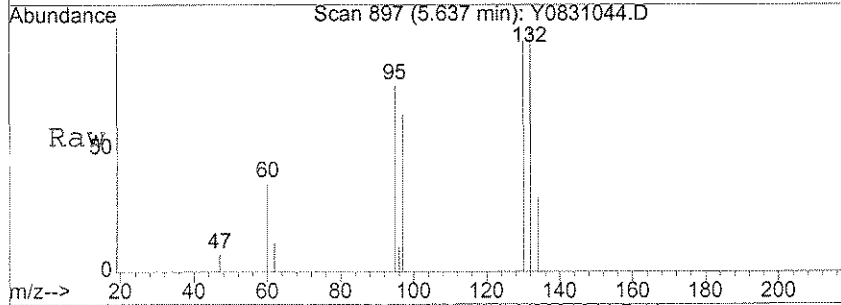
Tgt Ion: 117 Resp: 8493
 Ion Ratio Lower Upper
 117 100
 119 94.4 78.2 118.2





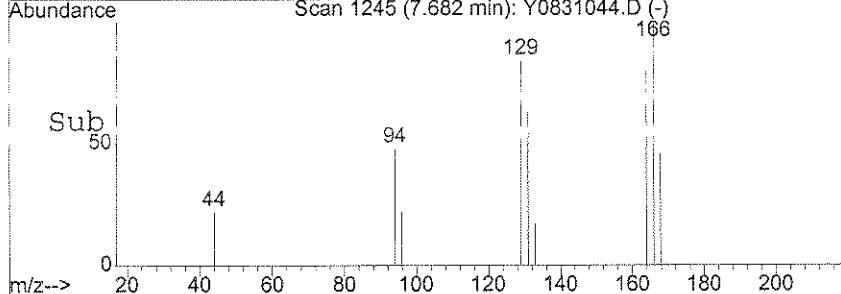
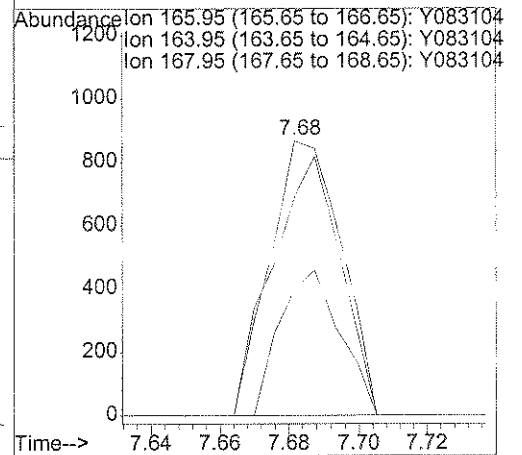
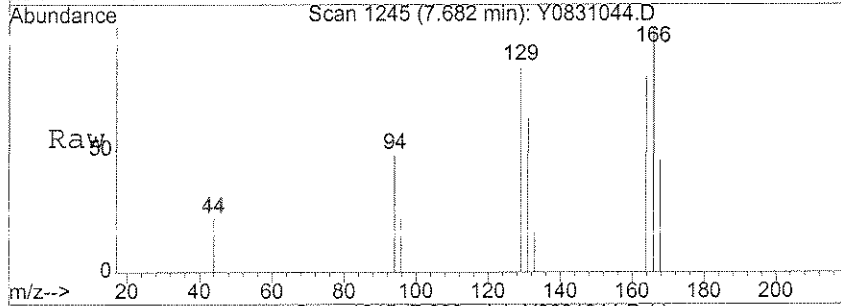
#42
 Trichloroethene
 Concen: 1.27 ug/l
 RT: 5.64 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: Y0831044.D
 Acq: 31 Aug 2006 19:32

Tgt Ion	Resp	Lower	Upper
130	4112	100	
132	106.4	76.9	116.9
95	87.6	67.3	107.3



#56
 Tetrachloroethene
 Concen: 0.36 ug/l
 RT: 7.68 min Scan# 1245
 Delta R.T. -0.01 min
 Lab File: Y0831044.D
 Acq: 31 Aug 2006 19:32

Tgt Ion	Resp	Lower	Upper
166	1239	100	
164	89.9	61.7	92.5
168	44.6	38.6	57.8



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831044.D Vial: 26
Acq On : 31 Aug 2006 19:32 Operator: DGA
Sample : JPL16-002 MW-17-3 Inst : yoda
Misc : 5mL+IS/SS #5 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831044.D 8260B.M Fri Sep 01 08:52:52 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-17-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831045.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 19:56

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.67	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.60	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	1.3	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-17-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831045.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 19:56

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.70	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-17-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-003
 Lab File ID: Y0831045.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 19:56
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-17-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831045.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

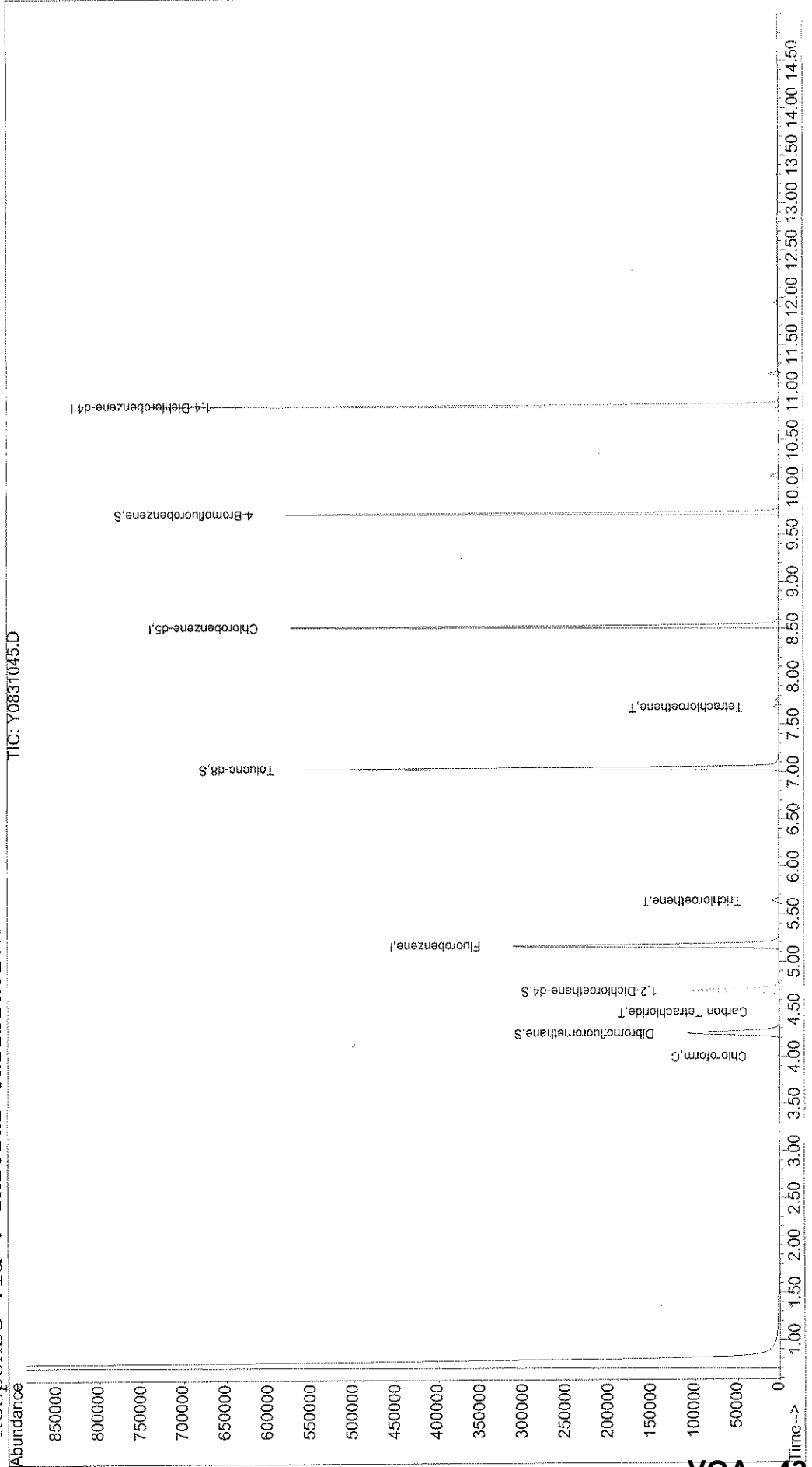
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831045.D Vial: 27
Acq On : 31 Aug 2006 19:56 Operator: DGA
Sample : JPL16-003 MW-17-2 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:23 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 43

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831045.D
 Acq On : 31 Aug 2006 19:56
 Sample : JPL16-003 MW-17-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:23 2006

Vial: 27
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	353007	50.00	ug/l	0.00	85.30%
50) Chlorobenzene-d5	8.53	82	155648	50.00	ug/l	0.00	84.44%
69) 1,4-Dichlorobenzene-d4	10.87	152	194104	50.00	ug/l	0.00	82.44%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	98355	51.22	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	94960	52.61	ug/l	0.00	
51) Toluene-d8	7.04	98	355319	49.99	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	144381	51.74	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.79	43	70	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	67	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.77	63	685	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831045.D 8260B.M Fri Sep 01 07:23:24 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831045.D
 Acq On : 31 Aug 2006 19:56
 Sample : JPL16-003 MW-17-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:23 2006

Vial: 27
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.		
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.		
31) Chloroform	4.00	83	2391	0.67	ug/l ✓	96
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	4.47	117	490	0.60	ug/l # ✓	28
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.64	130	3401	1.28	ug/l ✓	94
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	7.11	92	331	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	7.69	166	2011	0.70	ug/l ✓	97
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	0.00	112	0	N.D.		
62) Ethylbenzene	8.70	91	278	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.83	106	435	N.D.		
65) o-xylene	9.22	106	60	N.D.		
66) Styrene	9.23	104	78	N.D.		
67) Bromoform	0.00	173	0	N.D.		
68) Isopropylbenzene	0.00	105	0	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	0.00	120	0	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

QAR 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831045.D 8260B.M Fri Sep 01 07:23:25 2006

Quantitation Report

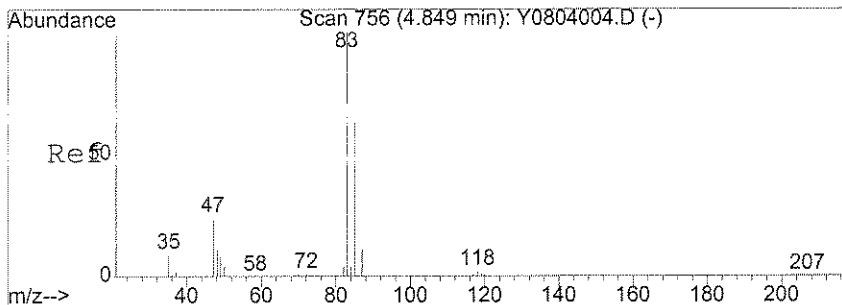
Data File : Q:\MSDCHEM\1\DATA\083106\Y0831045.D
 Acq On : 31 Aug 2006 19:56
 Sample : JPL16-003 MW-17-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:23 2006

Vial: 27
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

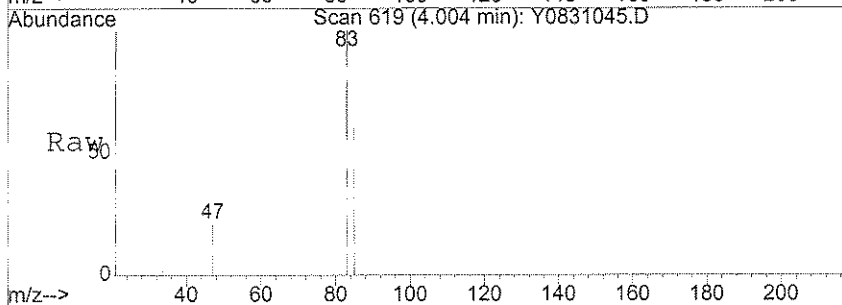
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	208		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	60		N.D.	
78) 4-Chlorotoluene	10.01	91	208		N.D.	
79) tert-Butylbenzene	10.51	119	71		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	187		N.D.	
81) sec-butylbenzene	10.72	105	225		N.D.	
82) 4-Isopropyltoluene	10.88	119	270		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	141		N.D.	
85) n-Butylbenzene	11.28	91	398		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	68		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	193		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

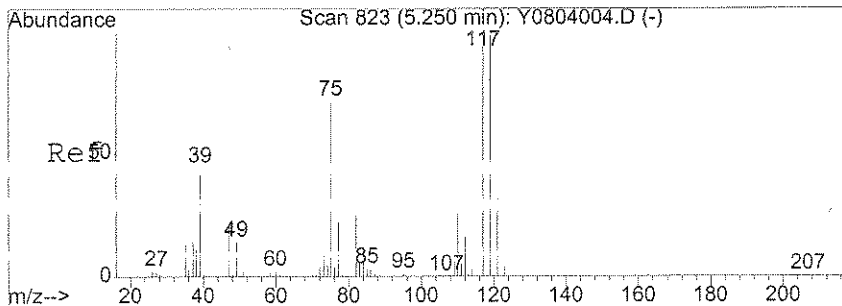
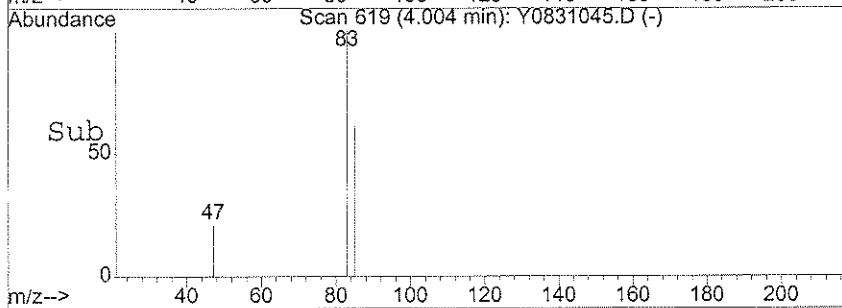
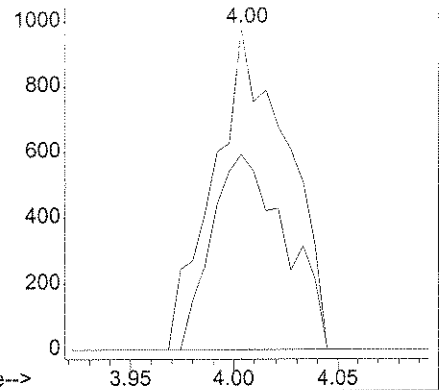


#31
 Chloroform
 Concen: 0.67 ug/l
 RT: 4.00 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: Y0831045.D
 Acq: 31 Aug 2006 19:56

Tgt Ion: 83 Resp: 2391
 Ion Ratio Lower Upper
 83 100
 85 61.1 44.6 84.6

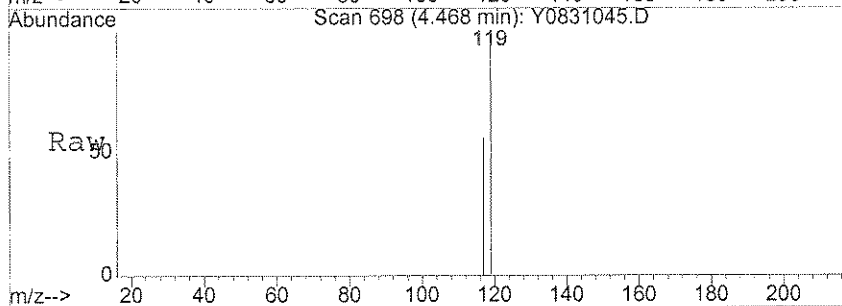


Abundance Ion 83.00 (82.70 to 83.70): Y0831045.D
 Ion 85.00 (84.70 to 85.70): Y0831045.D

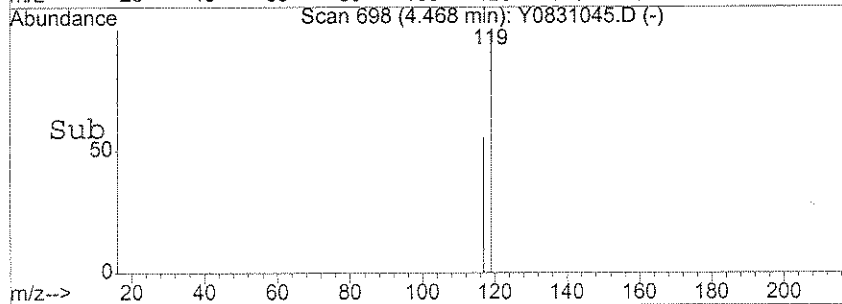
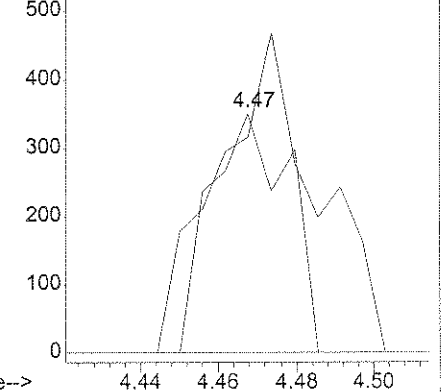


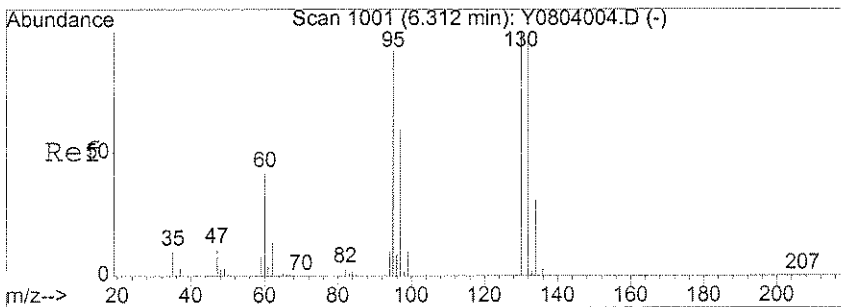
#35
 Carbon Tetrachloride
 Concen: 0.60 ug/l
 RT: 4.47 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: Y0831045.D
 Acq: 31 Aug 2006 19:56

Tgt Ion: 117 Resp: 490
 Ion Ratio Lower Upper
 117 100
 119 169.0 78.2 118.2#



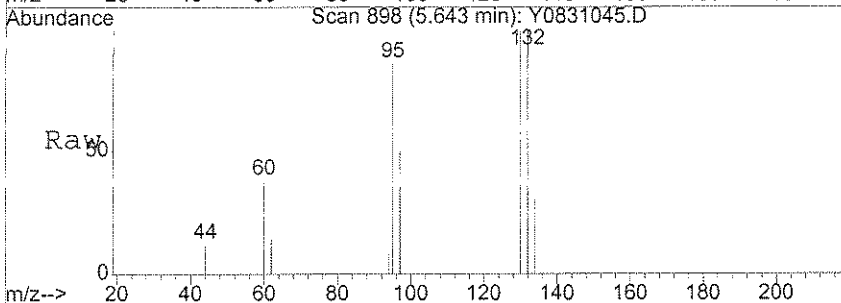
Abundance Ion 117.00 (116.70 to 117.70): Y0831045.D
 Ion 119.00 (118.70 to 119.70): Y0831045.D



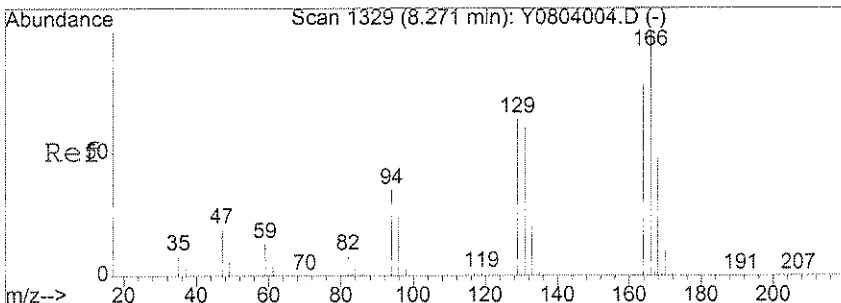
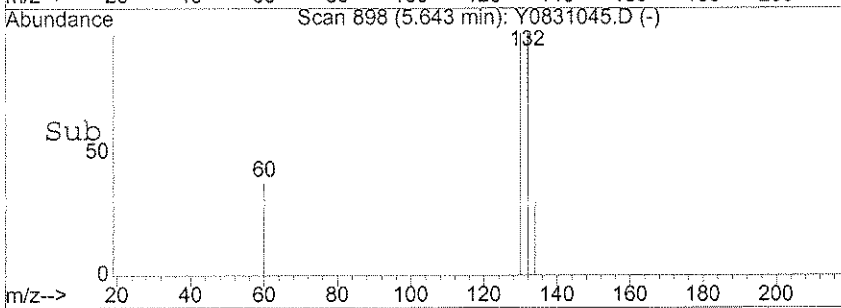
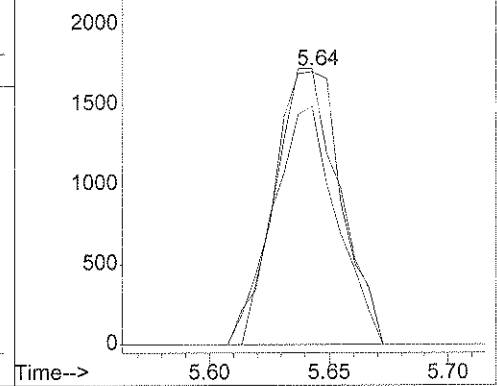


#42
 Trichloroethene
 Concen: 1.28 ug/l
 RT: 5.64 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: Y0831045.D
 Acq: 31 Aug 2006 19:56

Tgt Ion	Resp	Lower	Upper
130	3401		
132	100	76.9	116.9
95	80.4	67.3	107.3

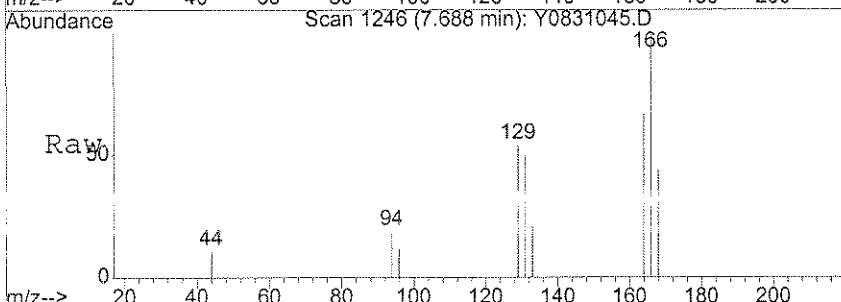


Abundance
 Ion 130.00 (129.70 to 130.70): Y083104
 Ion 132.00 (131.70 to 132.70): Y083104
 Ion 95.00 (94.70 to 95.70): Y0831045.D

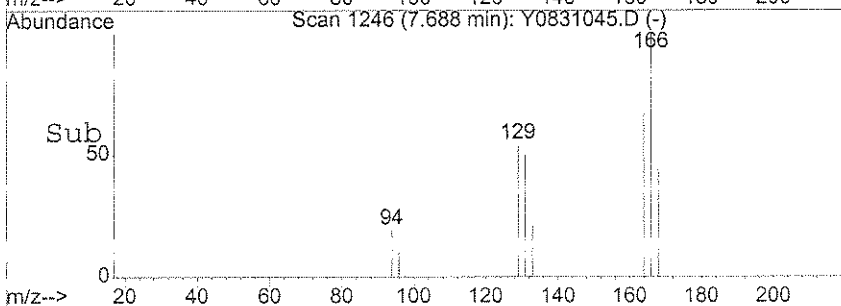
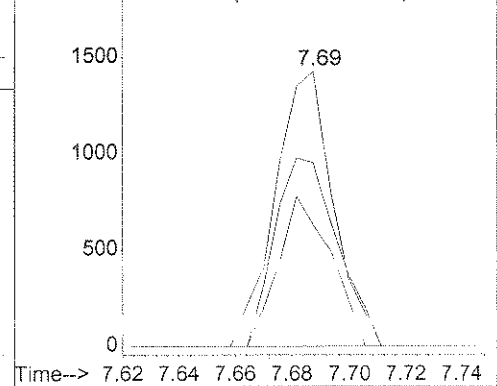


#56
 Tetrachloroethene
 Concen: 0.70 ug/l
 RT: 7.69 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: Y0831045.D
 Acq: 31 Aug 2006 19:56

Tgt Ion	Resp	Lower	Upper
166	2011		
164	100	61.7	92.5
168	73.8	38.6	57.8



Abundance
 Ion 165.95 (165.65 to 166.65): Y083104
 Ion 163.95 (163.65 to 164.65): Y083104
 Ion 167.95 (167.65 to 168.65): Y083104



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831045.D Vial: 27
Acq On : 31 Aug 2006 19:56 Operator: DGA
Sample : JPL16-003 MW-17-2 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831045.D 8260B.M Fri Sep 01 08:53:01 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-004
 Lab File ID: Y0831040.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 17:53
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-004
 Lab File ID: Y0831040.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 17:53
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831040.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 17:53

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-004
 Lab File ID: Y0831040.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

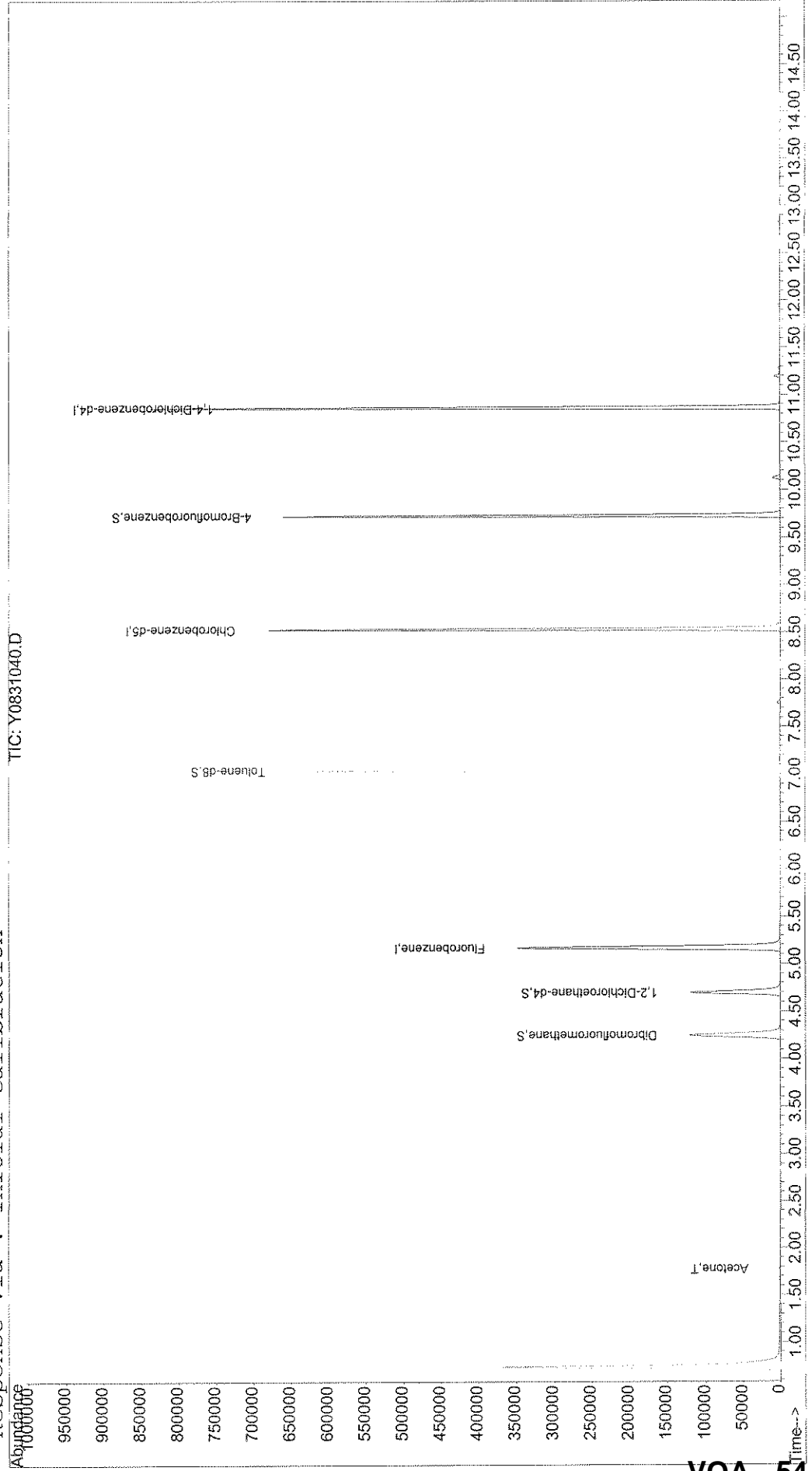
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831040.D Vial: 22
Acq On : 31 Aug 2006 17:53 Operator: DGA
Sample : JPL16-004 EB-3-8/17/06 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:06 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831040.D
 Acq On : 31 Aug 2006 17:53
 Sample : JPL16-004 EB-3-8/17/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:06 2006

Vial: 22
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	400794	50.00	ug/l	0.00	96.85%
50) Chlorobenzene-d5	8.53	82	178667	50.00	ug/l	0.00	96.92%
69) 1,4-Dichlorobenzene-d4	10.87	152	222544	50.00	ug/l	0.00	94.52%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	111122	50.97	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	108121	52.76	ug/l	0.00	
51) Toluene-d8	7.04	98	409405	50.18	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	164736	51.49	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	1916	2.71	ug/l # ✓	61
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	405	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

Amg/low

(#) = qualifier out of range (m) = manual integration
 Y0831040.D 8260B.M Fri Sep 01 07:06:11 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831040.D
 Acq On : 31 Aug 2006 17:53
 Sample : JPL16-004 EB-3-8/17/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:06 2006

Vial: 22
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.59	43	57		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	133		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.69	166	144		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	8.56	112	131		N.D.	
62) Ethylbenzene	8.70	91	402		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	275		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.23	104	68		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.60	105	233		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.20	120	149		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831040.D 8260B.M Fri Sep 01 07:06:11 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831040.D
 Acq On : 31 Aug 2006 17:53
 Sample : JPL16-004 EB-3-8/17/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:06 2006

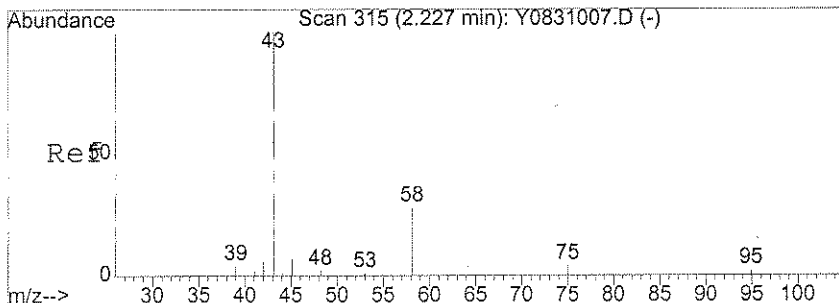
Vial: 22
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

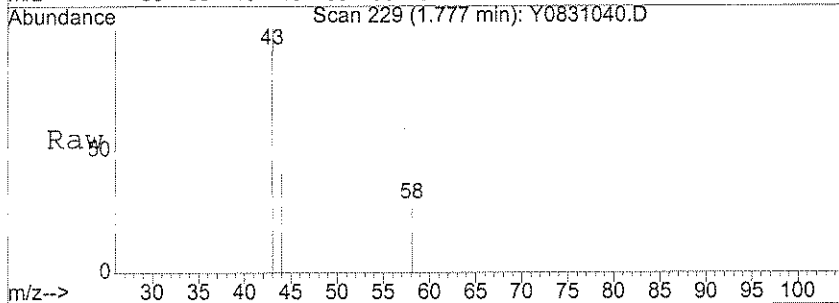
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.07	91	280		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	467		N.D.	
78) 4-Chlorotoluene	10.17	91	284		N.D.	
79) tert-Butylbenzene	10.51	119	387		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	425		N.D.	
81) sec-butylbenzene	10.72	105	625		N.D.	
82) 4-Isopropyltoluene	10.88	119	777		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	434		N.D.	
85) n-Butylbenzene	0.00	91	0		N.D.	d
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	d
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831040.D 8260B.M Fri Sep 01 07:06:11 2006

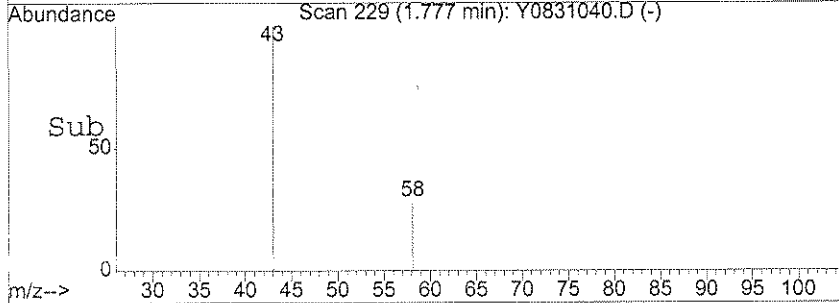
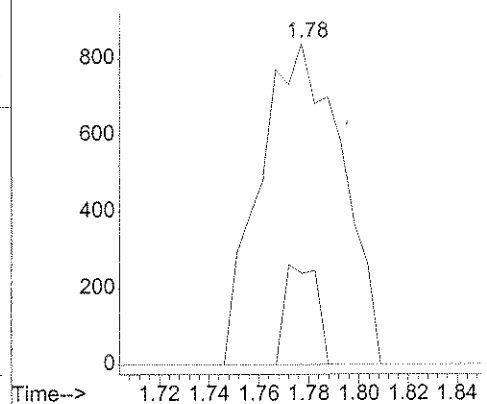


#11
 Acetone
 Concen: 2.71 ug/l
 RT: 1.78 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: Y0831040.D
 Acq: 31 Aug 2006 17:53

Tgt Ion: 43 Resp: 1916
 Ion Ratio Lower Upper
 43 100
 58 12.3 27.7 41.5#



Abundance Ion 43.15 (42.85 to 43.85): Y0831040.D
 Ion 58.05 (57.75 to 58.75): Y0831040.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831040.D Vial: 22
Acq On : 31 Aug 2006 17:53 Operator: DGA
Sample : JPL16-004 EB-3-8/17/06 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831040.D 8260B.M Fri Sep 01 08:52:20 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831046.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 20:21

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
75-71-8	Dichlorodifluoromethane	0.50		U
74-87-3	Chloromethane	0.50		U
75-01-4	Vinyl chloride	0.50		U
74-83-9	Bromomethane	0.50		U
75-00-3	Chloroethane	0.50		U
75-69-4	Trichlorofluoromethane	0.50		U
75-35-4	1,1-Dichloroethene	0.50		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		U
75-09-2	Methylene chloride	0.50		U
1634-04-4	Methyl tert-butyl ether	0.50		U
156-60-5	trans-1,2-Dichloroethene	0.50		U
75-34-3	1,1-Dichloroethane	0.50		U
594-20-7	2,2-Dichloropropane	0.50		U
156-59-2	cis-1,2-Dichloroethene	0.50		U
78-93-3	2-Butanone	5.0		U
74-97-5	Bromochloromethane	0.50		U
67-66-3	Chloroform	0.50		U
71-55-6	1,1,1-Trichloroethane	0.50		U
56-23-5	Carbon tetrachloride	0.50		U
563-58-6	1,1-Dichloropropene	0.50		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	0.50		U
79-01-6	Trichloroethene	0.50		U
78-87-5	1,2-Dichloropropane	0.50		U
74-95-3	Dibromomethane	0.50		U
75-27-4	Bromodichloromethane	0.50		U
10061-01-	cis-1,3-Dichloropropene	0.50		U
108-10-1	4-Methyl-2-pentanone	5.0		U
108-88-3	Toluene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831046.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 20:21

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831046.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 20:21

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-18-5

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831046.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

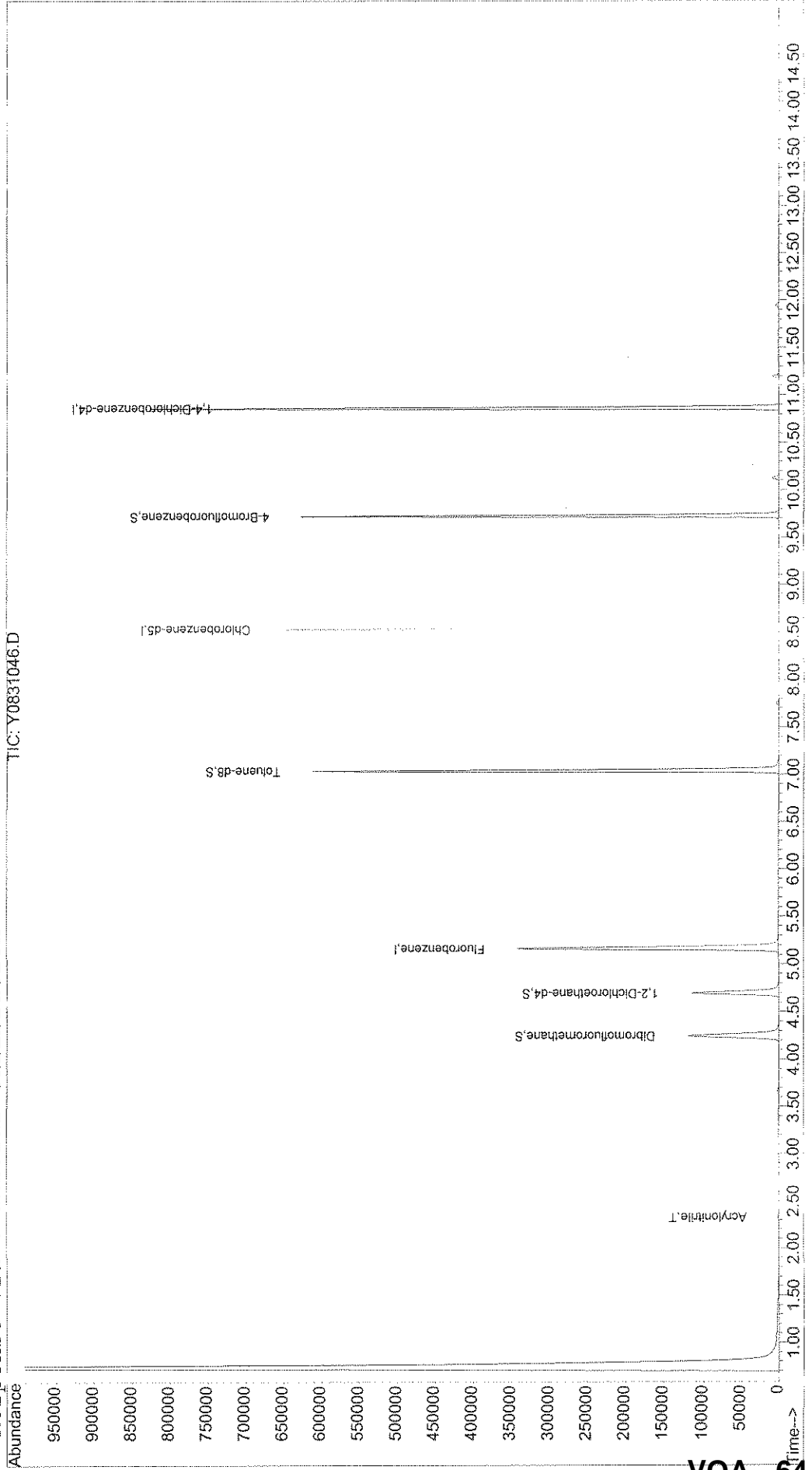
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831046.D Vial: 28
Acq On : 31 Aug 2006 20:21 Operator: DGA
Sample : JPL16-005 MW-18-5 Inst : Yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:25 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 64

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831046.D
 Acq On : 31 Aug 2006 20:21
 Sample : JPL16-005 MW-18-5
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:25 2006

Vial: 28
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	388729	50.00	ug/l	0.00 93.93%
50) Chlorobenzene-d5	8.53	82	172570	50.00	ug/l	0.00 93.62%
69) 1,4-Dichlorobenzene-d4	10.87	152	214004	50.00	ug/l	0.00 90.89%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	107226	50.71	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	102797	51.72	ug/l	0.00
51) Toluene-d8	7.04	98	394694	50.09	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	159692	51.91	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	211	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	2.32	53	852	5.40	ug/l #	82
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

QAR 7/1/a

(#) = qualifier out of range (m) = manual integration
 Y0831046.D 8260B.M Fri Sep 01 07:25:33 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831046.D
 Acq On : 31 Aug 2006 20:21
 Sample : JPL16-005 MW-18-5
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:25 2006

Vial: 28
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	609		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	474		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.82	106	196		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	643		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	109		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831046.D 8260B.M Fri Sep 01 07:25:34 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831046.D
 Acq On : 31 Aug 2006 20:21
 Sample : JPL16-005 MW-18-5
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:25 2006

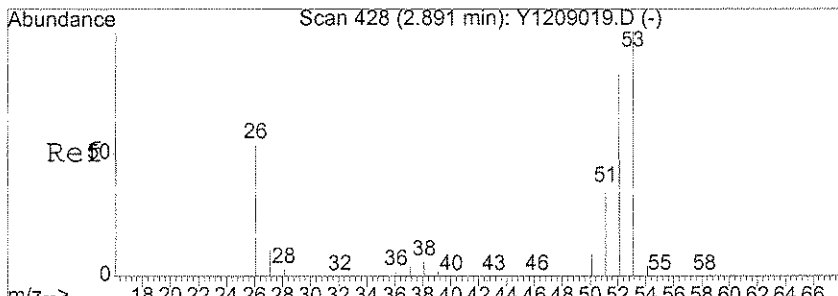
Vial: 28
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

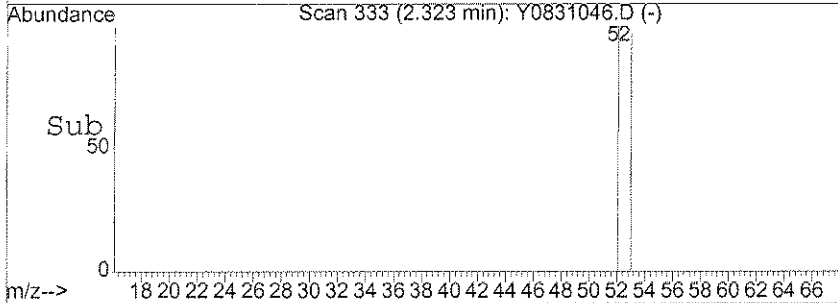
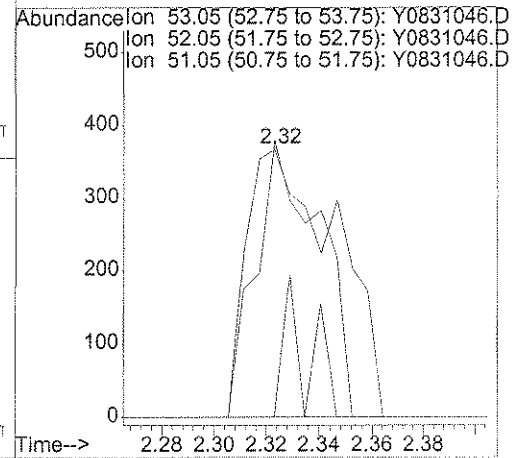
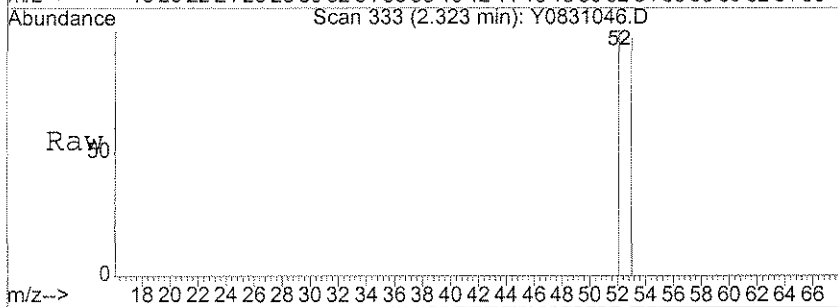
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	69		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.17	91	56		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	69		N.D.	
81) sec-butylbenzene	10.72	105	129		N.D.	
82) 4-Isopropyltoluene	10.87	119	227		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	65		N.D.	
85) n-Butylbenzene	11.28	91	221		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	288		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831046.D 8260B.M Fri Sep 01 07:25:34 2006



#21
 Acrylonitrile
 Concen: 5.40 ug/l
 RT: 2.32 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: Y0831046.D
 Acq: 31 Aug 2006 20:21

Tgt Ion:	Resp:	Lower	Upper
53	100		
52	74.2	67.6	101.4
51	14.4	27.2	40.8#



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831046.D Vial: 28
Acq On : 31 Aug 2006 20:21 Operator: DGA
Sample : JPL16-005 MW-18-5 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831046.D 8260B.M Fri Sep 01 08:53:09 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831047.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 20:46

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.0	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	3.2	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.67	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-006
 Lab File ID: Y0831047.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 20:46
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.44	J
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-006
 Lab File ID: Y0831047.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 20:46
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-18-4

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831047.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

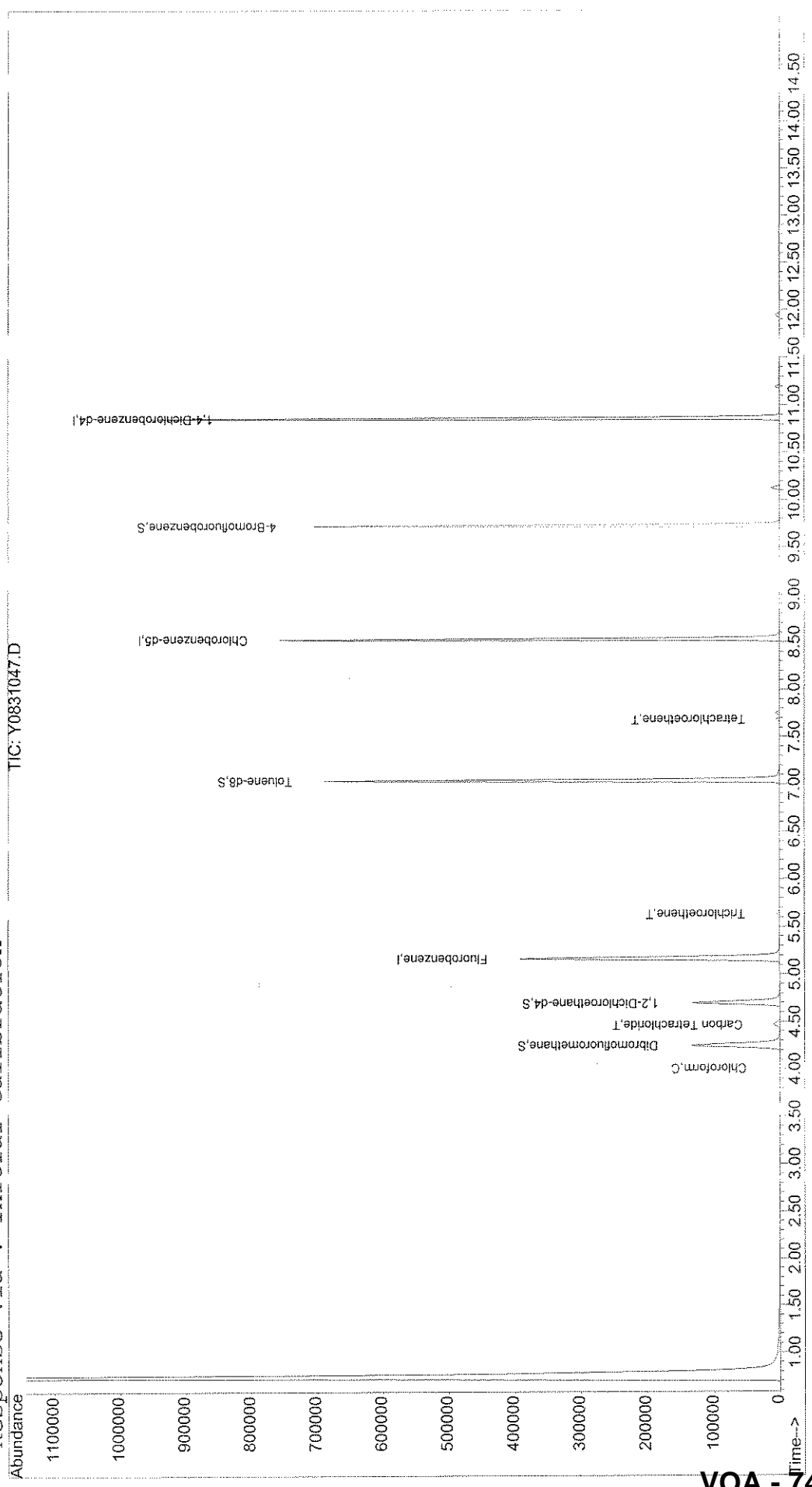
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831047.D
Acq On : 31 Aug 2006 20:46
Sample : JPL16-006 MW-18-4
Misc : 5mL+IS/SS #3
MS Integration Params: rteint.p
Quant Time: Sep 1 7:27 2006
Vial: 29
Operator: DGA
Inst : Yoda
Multiplr: 1.00
Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 74

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831047.D
 Acq On : 31 Aug 2006 20:46
 Sample : JPL16-006 MW-18-4
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:27 2006

Vial: 29
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	441677	50.00	ug/l	0.00 106.73%
50) Chlorobenzene-d5	8.53	82	195782	50.00	ug/l	0.00 106.21%
69) 1,4-Dichlorobenzene-d4	10.87	152	247908	50.00	ug/l	0.00 105.29%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	123653	51.47	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	118646	52.54	ug/l	0.00
51) Toluene-d8	7.04	98	448098	50.12	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	182250	51.14	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	129	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	235	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831047.D 8260B.M Fri Sep 01 07:27:43 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831047.D
 Acq On : 31 Aug 2006 20:46
 Sample : JPL16-006 MW-18-4
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:27 2006

Vial: 29
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	4578	1.03	ug/l ✓	97
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	4.47	117	8408	3.17	ug/l ✓	99
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	2246	0.67	ug/l ✓	93
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	210		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.69	166	1596	0.44	ug/l ✓	97
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	365		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	334		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Handwritten signature/initials

(#) = qualifier out of range (m) = manual integration
 Y0831047.D 8260B.M Fri Sep 01 07:27:44 2006

Quantitation Report

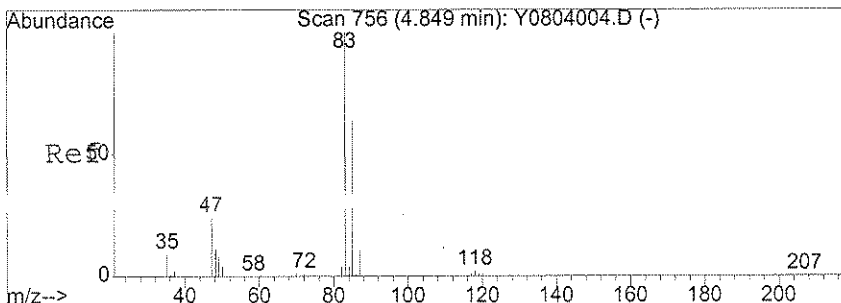
Data File : Q:\MSDCHEM\1\DATA\083106\Y0831047.D
 Acq On : 31 Aug 2006 20:46
 Sample : JPL16-006 MW-18-4
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:27 2006

Vial: 29
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

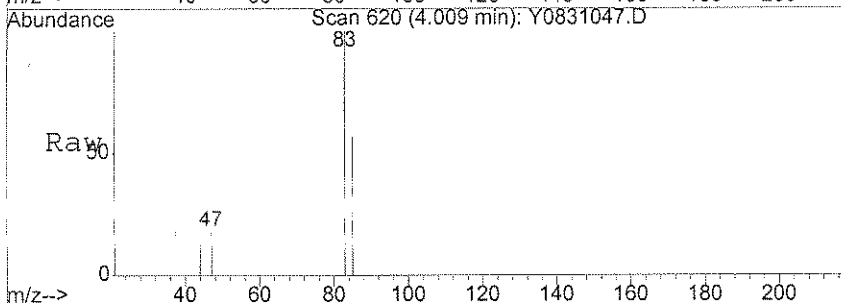
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	193		N.D.	
77) 1,3,5-Trimethylbenzene	10.19	105	82		N.D.	
78) 4-Chlorotoluene	10.18	91	61		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	121		N.D.	
81) sec-butylbenzene	10.55	105	121		N.D.	
82) 4-Isopropyltoluene	10.88	119	152		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	66		N.D.	
85) n-Butylbenzene	11.28	91	478		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	63		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

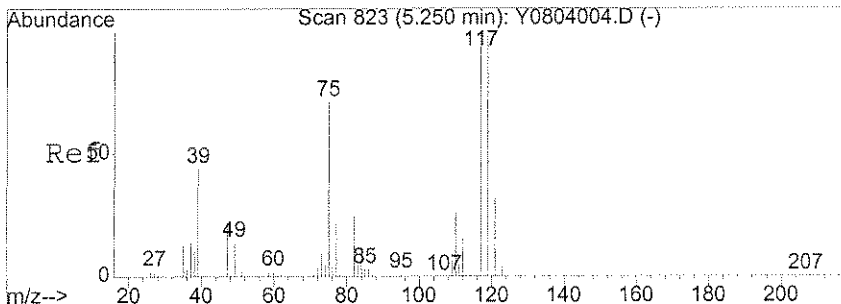
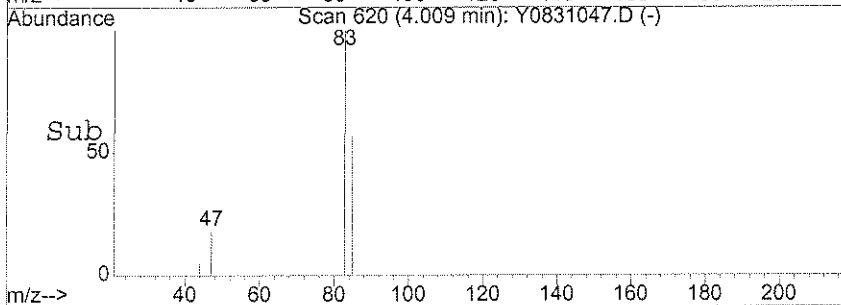
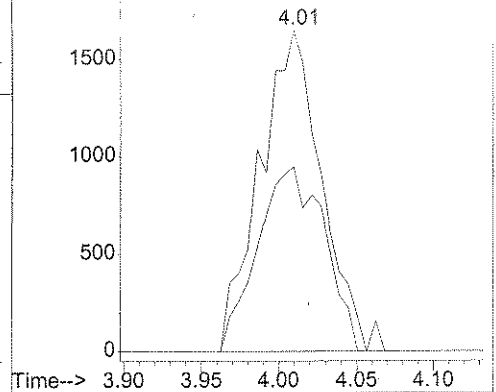


#31
 Chloroform
 Concen: 1.03 ug/l
 RT: 4.01 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: Y0831047.D
 Acq: 31 Aug 2006 20:46

Tgt Ion: 83 Resp: 4578
 Ion Ratio Lower Upper
 83 100
 85 61.9 44.6 84.6

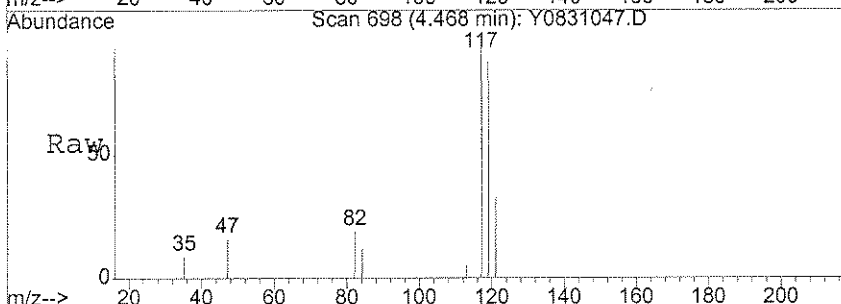


Abundance Ion 83.00 (82.70 to 83.70): Y0831047.D
 Ion 85.00 (84.70 to 85.70): Y0831047.D

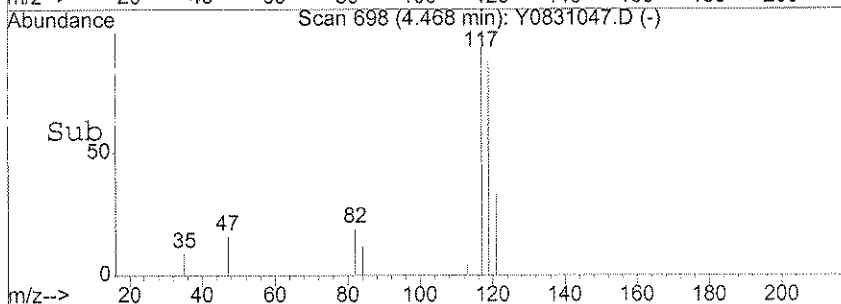
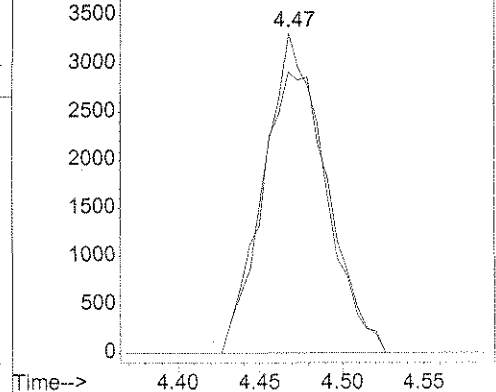


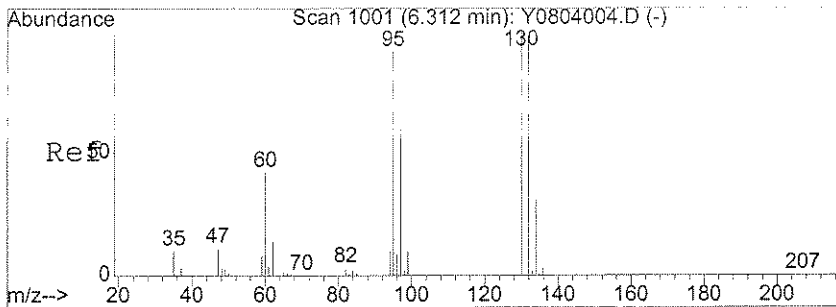
#35
 Carbon Tetrachloride
 Concen: 3.17 ug/l
 RT: 4.47 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: Y0831047.D
 Acq: 31 Aug 2006 20:46

Tgt Ion: 117 Resp: 8408
 Ion Ratio Lower Upper
 117 100
 119 99.4 78.2 118.2



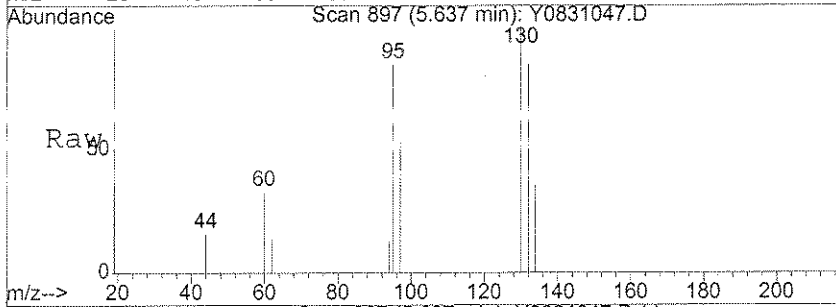
Abundance Ion 117.00 (116.70 to 117.70): Y083104
 Ion 119.00 (118.70 to 119.70): Y083104



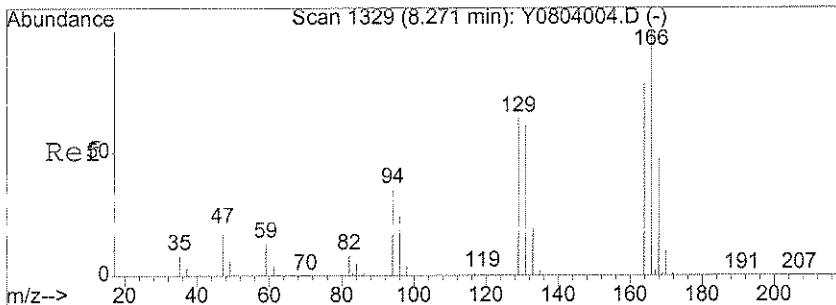
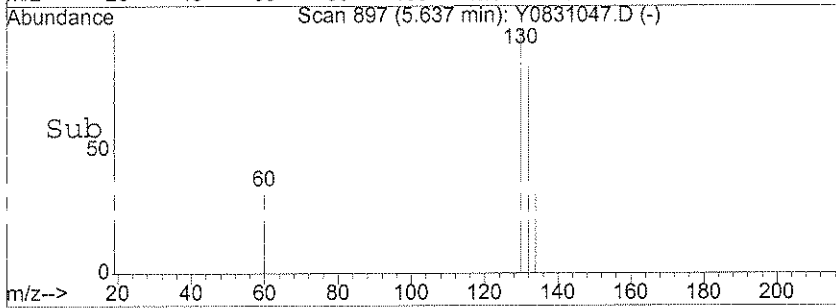
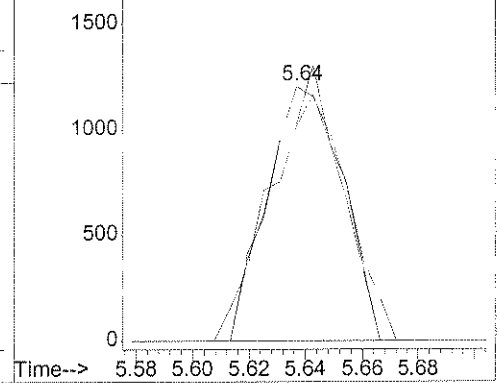


#42
 Trichloroethene
 Concen: 0.67 ug/l
 RT: 5.64 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: Y0831047.D
 Acq: 31 Aug 2006 20:46

Tgt Ion	Resp	Lower	Upper
130	100		
132	102.6	76.9	116.9
95	95.3	67.3	107.3

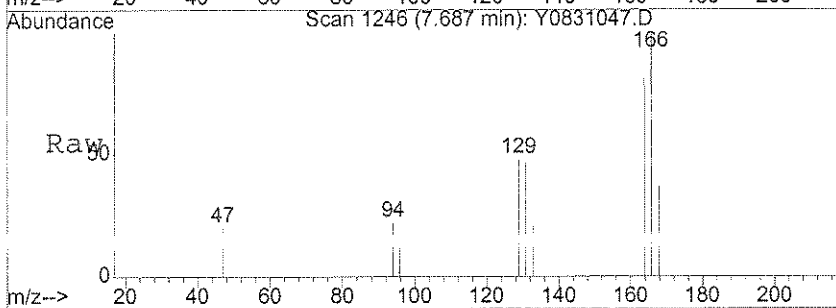


Abundance
 Ion 130.00 (129.70 to 130.70): Y083104
 Ion 132.00 (131.70 to 132.70): Y083104
 Ion 95.00 (94.70 to 95.70): Y0831047.D

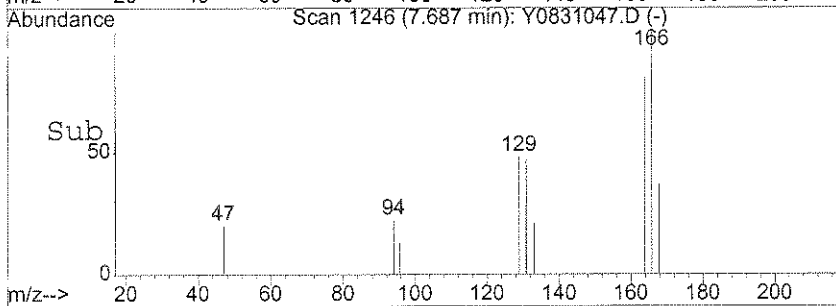
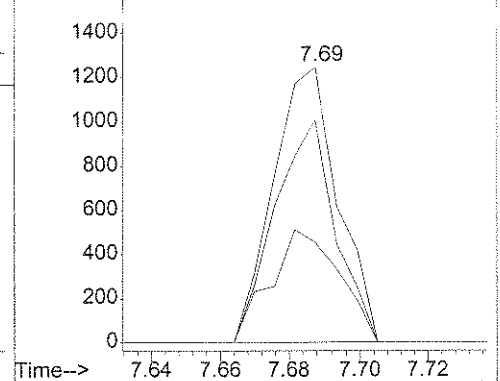


#56
 Tetrachloroethene
 Concen: 0.44 ug/l
 RT: 7.69 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: Y0831047.D
 Acq: 31 Aug 2006 20:46

Tgt Ion	Resp	Lower	Upper
166	100		
164	75.8	61.7	92.5
168	43.7	38.6	57.8



Abundance
 Ion 165.95 (165.65 to 166.65): Y083104
 Ion 163.95 (163.65 to 164.65): Y083104
 Ion 167.95 (167.65 to 168.65): Y083104



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831047.D Vial: 29
Acq On : 31 Aug 2006 20:46 Operator: DGA
Sample : JPL16-006 MW-18-4 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831047.D 8260B.M Fri Sep 01 08:53:17 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-007
 Lab File ID: Y0831048.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 21:10
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	1.4	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	8.6	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.95	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-007

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831048.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 21:10

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.31	J
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-007

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831048.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 21:10

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-18-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-007

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831048.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

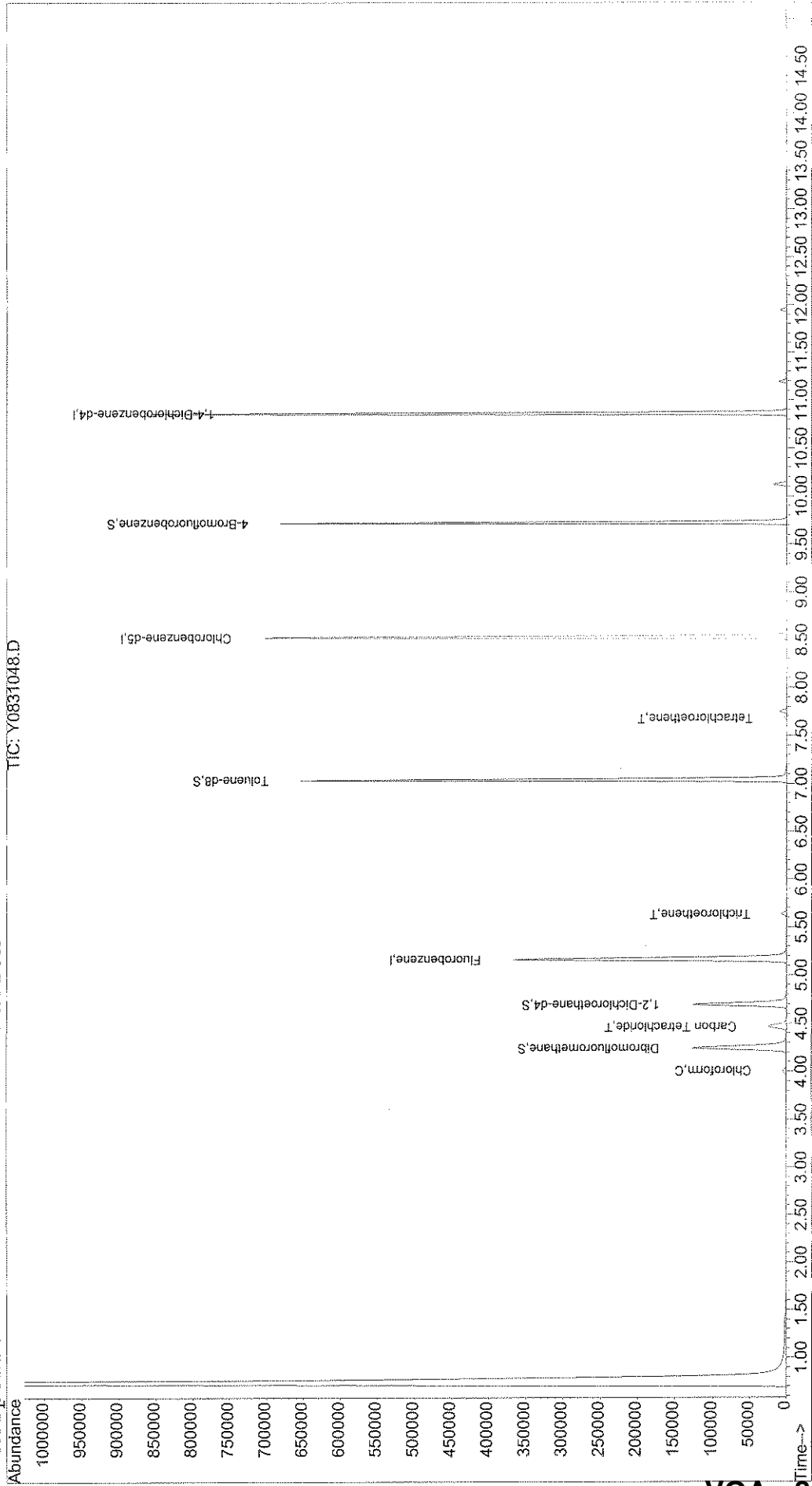
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831048.D Vial: 30
Acq On : 31 Aug 2006 21:10 Operator: DGA
Sample : JPL16-007 MW-18-3 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:29 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831048.D
 Acq On : 31 Aug 2006 21:10
 Sample : JPL16-007 MW-18-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:29 2006

Vial: 30
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	415971	50.00	ug/l	0.00 100.52%
50) Chlorobenzene-d5	8.53	82	184091	50.00	ug/l	0.00 99.87%
69) 1,4-Dichlorobenzene-d4	10.87	152	222703	50.00	ug/l	0.00 94.58%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	113993	50.38	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	112203	52.76	ug/l	0.00
51) Toluene-d8	7.04	98	422182	50.22	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	168096	52.50	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.	d	
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.86	76	65	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831048.D
 Acq On : 31 Aug 2006 21:10
 Sample : JPL16-007 MW-18-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:29 2006

Vial: 30
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.00	83	5870	1.40	ug/l ✓	99
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	4.47	117	23592	8.61	ug/l ✓	96
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	2989	0.95	ug/l ✓	92
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	7.74	97	120		N.D.	
56) Tetrachloroethene	7.69	166	1057	0.31	ug/l ✓	89
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.83	91	381		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	200		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	55		N.D.	
68) Isopropylbenzene	9.73	105	92		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

QW 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831048.D 8260B.M Fri Sep 01 07:29:29 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831048.D
 Acq On : 31 Aug 2006 21:10
 Sample : JPL16-007 MW-18-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:29 2006

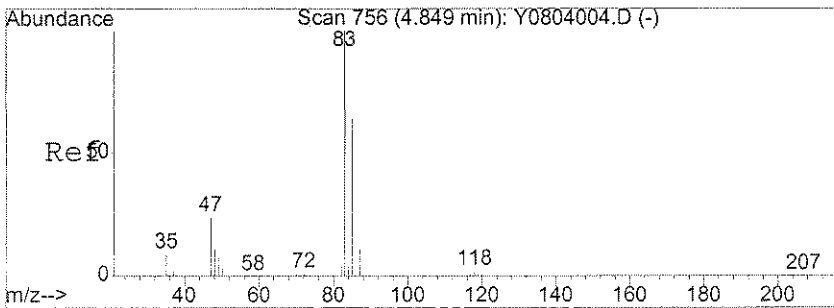
Vial: 30
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

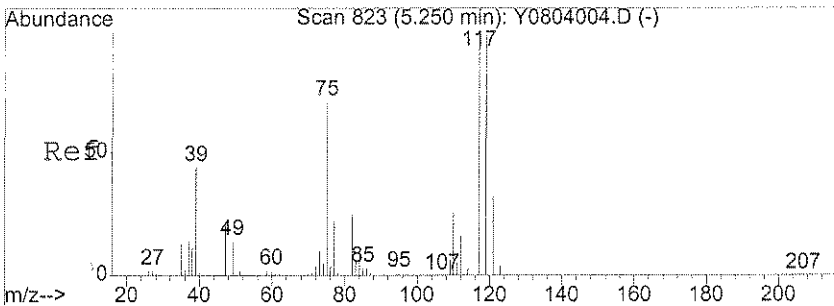
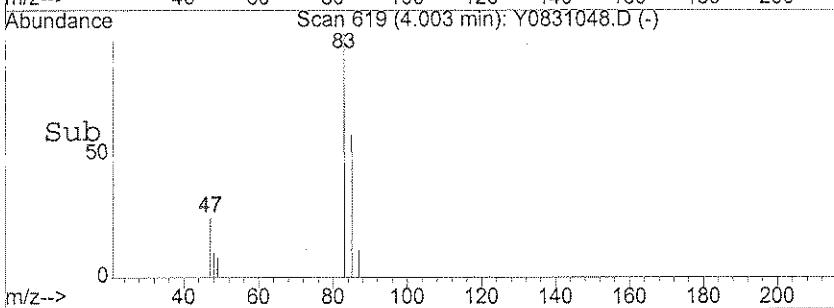
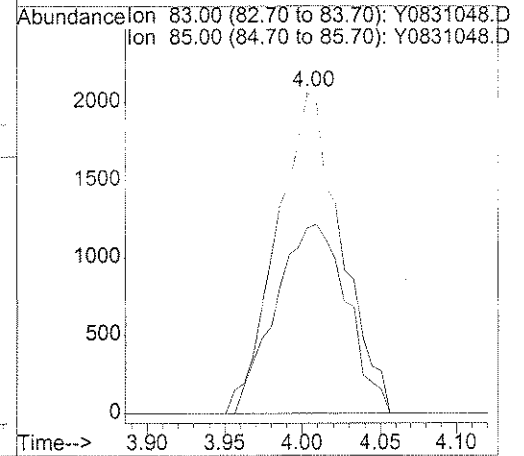
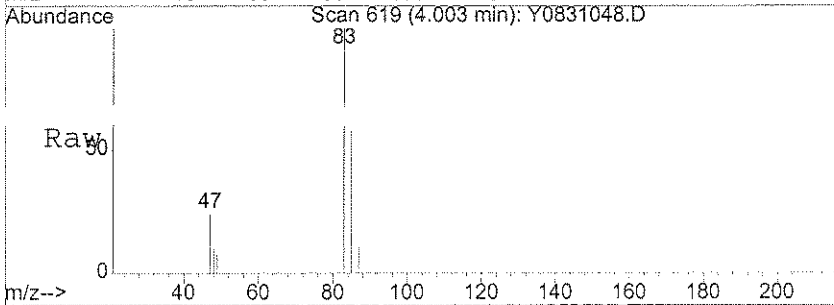
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.00	91	128		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.00	91	128		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	62		N.D.	
81) sec-butylbenzene	10.73	105	116		N.D.	
82) 4-Isopropyltoluene	10.88	119	417		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	54		N.D.	
85) n-Butylbenzene	11.28	91	332		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	61		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831048.D 8260B.M Fri Sep 01 07:29:30 2006



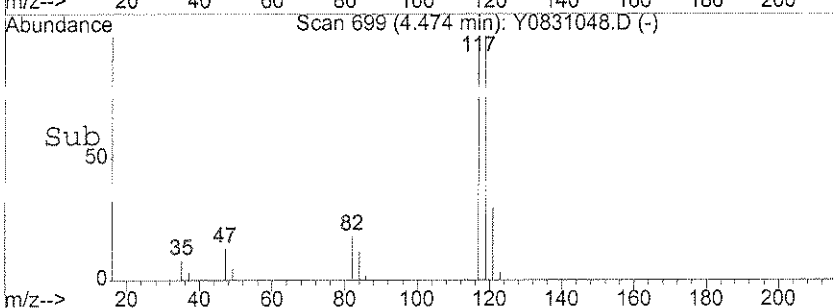
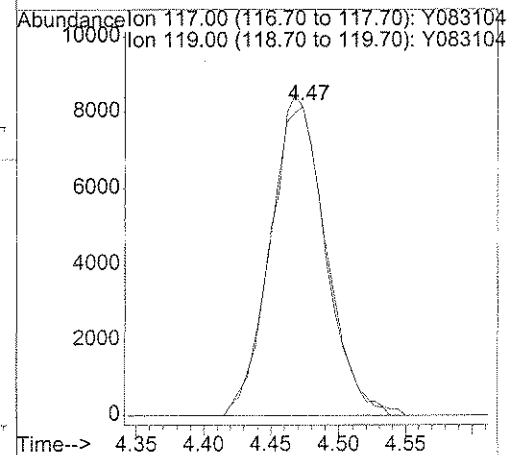
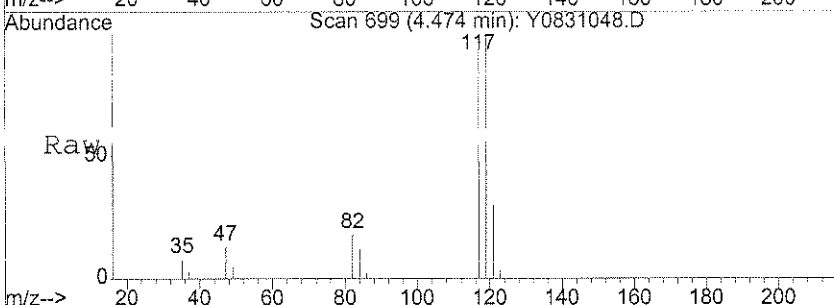
#31
 Chloroform
 Concen: 1.40 ug/l
 RT: 4.00 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: Y0831048.D
 Acq: 31 Aug 2006 21:10

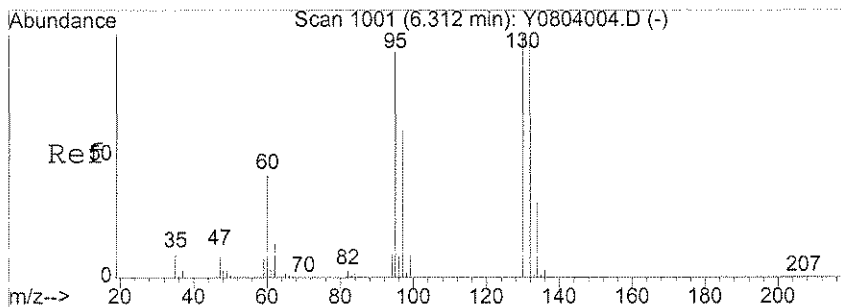
Tgt Ion: 83 Resp: 5870
 Ion Ratio Lower Upper
 83 100
 85 65.6 44.6 84.6



#35
 Carbon Tetrachloride
 Concen: 8.61 ug/l
 RT: 4.47 min Scan# 699
 Delta R.T. -0.00 min
 Lab File: Y0831048.D
 Acq: 31 Aug 2006 21:10

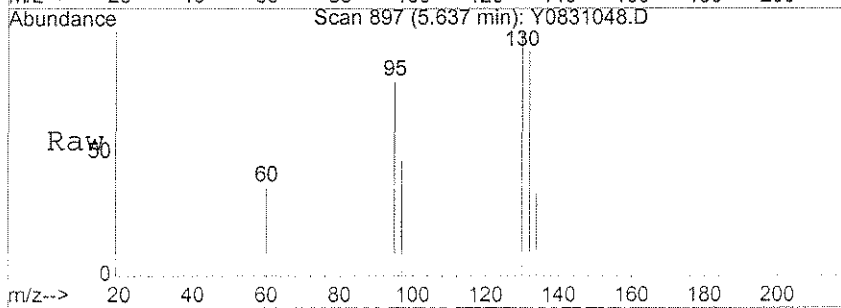
Tgt Ion: 117 Resp: 23592
 Ion Ratio Lower Upper
 117 100
 119 101.8 78.2 118.2



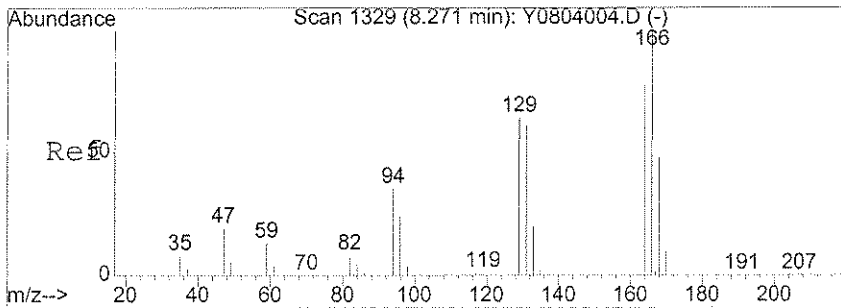
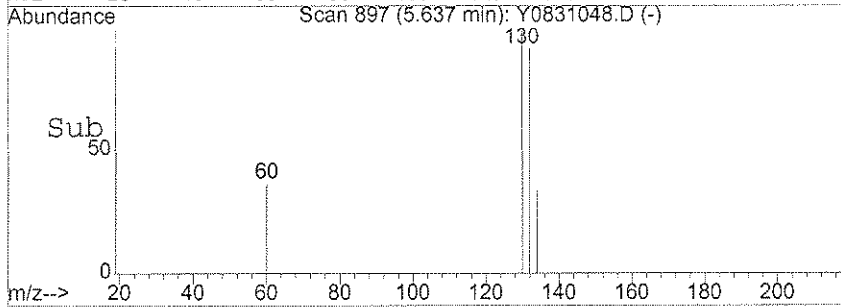
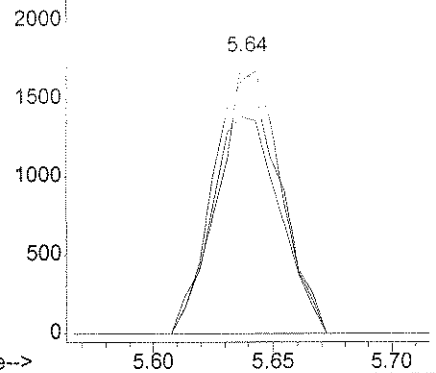


#42
 Trichloroethene
 Concen: 0.95 ug/l
 RT: 5.64 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: Y0831048.D
 Acq: 31 Aug 2006 21:10

Tgt Ion	Resp	Lower	Upper
130	2989		
130	100		
132	108.3	76.9	116.9
95	91.4	67.3	107.3

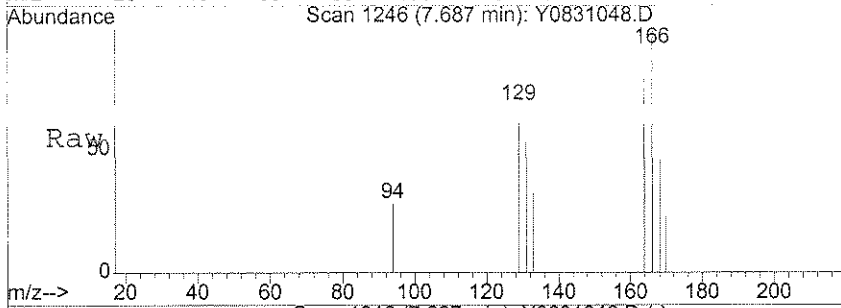


Abundance Ion 130.00 (129.70 to 130.70): Y083104
 Ion 132.00 (131.70 to 132.70): Y083104
 Ion 95.00 (94.70 to 95.70): Y0831048.D

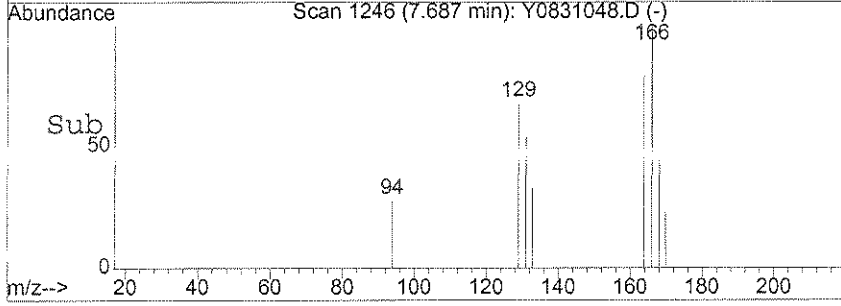
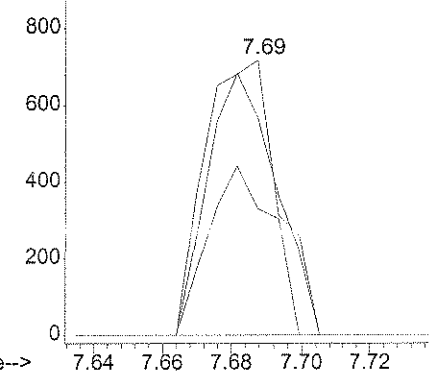


#56
 Tetrachloroethene
 Concen: 0.31 ug/l
 RT: 7.69 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: Y0831048.D
 Acq: 31 Aug 2006 21:10

Tgt Ion	Resp	Lower	Upper
166	1057		
166	100		
164	88.6	61.7	92.5
168	52.9	38.6	57.8



Abundance Ion 165.95 (165.65 to 166.65): Y083104
 Ion 163.95 (163.65 to 164.65): Y083104
 Ion 167.95 (167.65 to 168.65): Y083104



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831048.D Vial: 30
Acq On : 31 Aug 2006 21:10 Operator: DGA
Sample : JPL16-007 MW-18-3 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831048.D 8260B.M Fri Sep 01 08:53:24 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-008
 Lab File ID: Y0831049.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 21:35
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-008

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831049.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 21:35

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-18-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-008
 Lab File ID: Y0831049.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 21:35
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-18-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-008
 Lab File ID: Y0831049.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

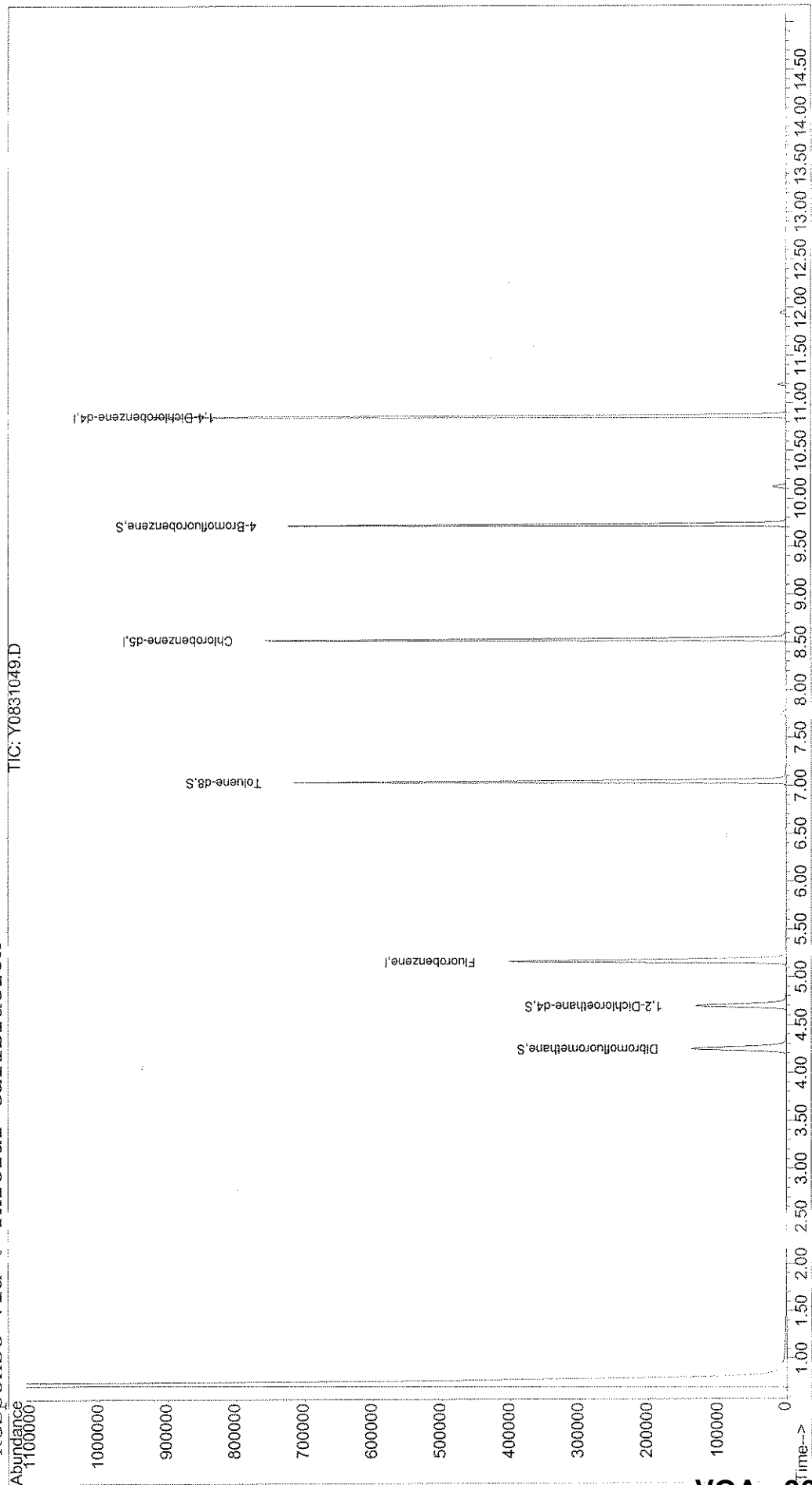
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831049.D Vial: 31
Acq On : 31 Aug 2006 21:35 Operator: DGA
Sample : JPL16-008 MW-18-2 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:30 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831049.D
 Acq On : 31 Aug 2006 21:35
 Sample : JPL16-008 MW-18-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:30 2006

Vial: 31
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	451690	50.00	ug/l	0.00 109.15%
50) Chlorobenzene-d5	8.53	82	195621	50.00	ug/l	0.00 106.12%
69) 1,4-Dichlorobenzene-d4	10.87	152	239023	50.00	ug/l	0.00 101.51%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	125794	51.20	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	122445	53.02	ug/l	0.00
51) Toluene-d8	7.04	98	453582	50.78	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	180899	52.65	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831049.D
 Acq On : 31 Aug 2006 21:35
 Sample : JPL16-008 MW-18-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:30 2006

Vial: 31
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.76	78	55		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	228		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	7.74	97	59		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	128		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	109		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	55		N.D.	
68) Isopropylbenzene	9.73	105	115		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831049.D 8260B.M Fri Sep 01 07:30:54 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831049.D
 Acq On : 31 Aug 2006 21:35
 Sample : JPL16-008 MW-18-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:30 2006

Vial: 31
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	65		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	65		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.73	105	57		N.D.	
81) sec-butylbenzene	10.73	105	57		N.D.	
82) 4-Isopropyltoluene	10.88	119	318		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	59		N.D.	
85) n-Butylbenzene	11.27	91	250		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831049.D 8260B.M Fri Sep 01 07:30:54 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831049.D Vial: 31
Acq On : 31 Aug 2006 21:35 Operator: DGA
Sample : JPL16-008 MW-18-2 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831049.D 8260B.M Fri Sep 01 07:30:58 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-009
 Lab File ID: Y0831039.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 17:28
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-009
 Lab File ID: Y0831039.D
 Date Collected: 08/17/2006
 Date/Time Analyzed: 08/31/2006 17:28
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-009

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831039.D

Level: (LOW/MED) _____

Date Collected: 08/17/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 17:28

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-009
 Lab File ID: Y0831039.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

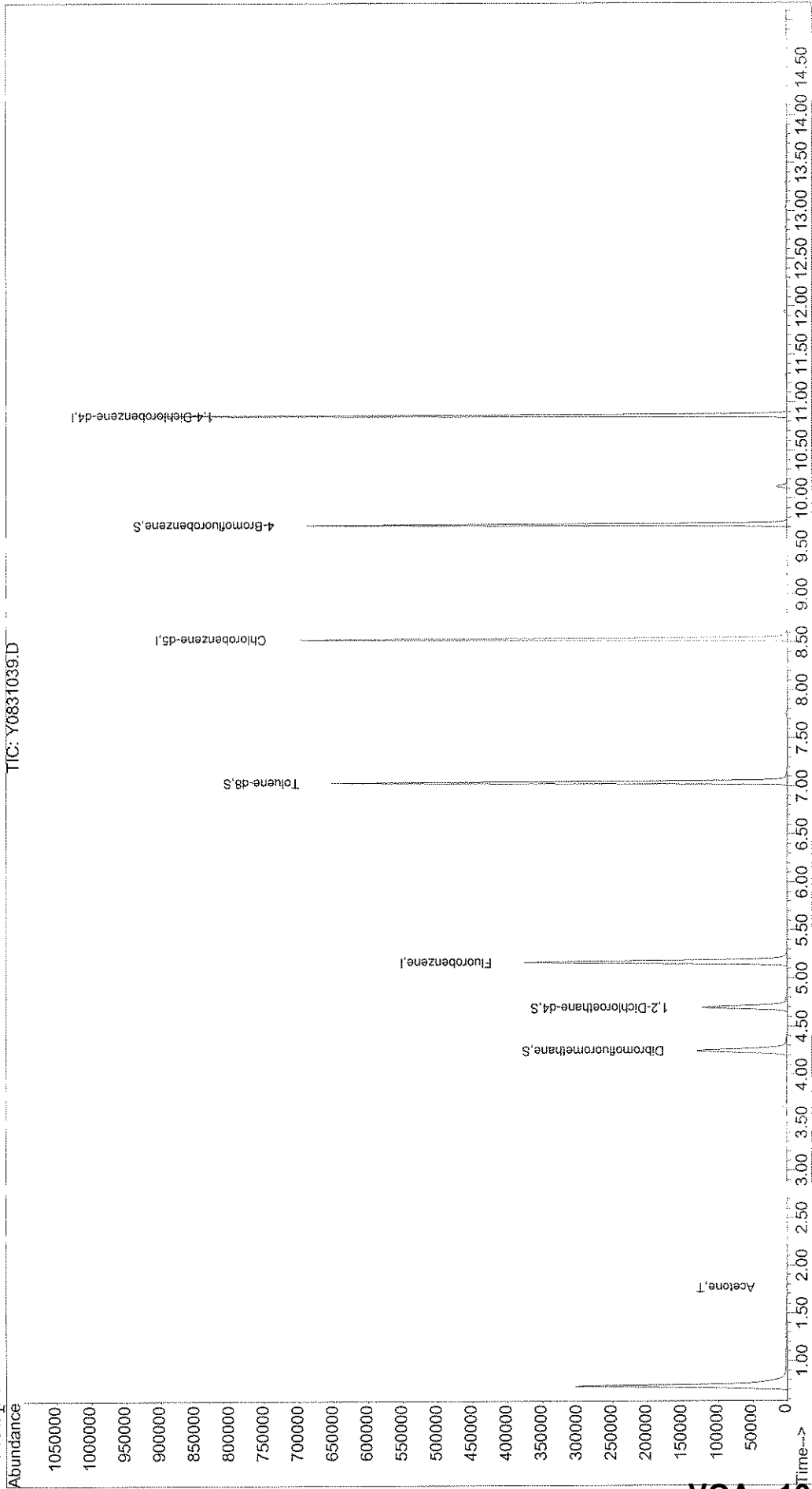
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831039.D Vial: 21
Acq On : 31 Aug 2006 17:28 Operator: DGA
Sample : JPL16-009 TB-3-8/17/06 Inst : Yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:03 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831039.D
 Acq On : 31 Aug 2006 17:28
 Sample : JPL16-009 TB-3-8/17/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:03 2006

Vial: 21
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	424697	50.00	ug/l	0.00	102.62%
50) Chlorobenzene-d5	8.53	82	183473	50.00	ug/l	0.00	99.53%
69) 1,4-Dichlorobenzene-d4	10.87	152	230651	50.00	ug/l	0.00	97.96%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	116976	50.63	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	111684	51.43	ug/l	0.00	
51) Toluene-d8	7.04	98	419377	50.06	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	170366	51.38	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.77	43	1507	2.01	ug/l #	57
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	526	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831039.D 8260B.M Fri Sep 01 07:04:10 2006

DW 9/1/06
 Page 1
VOA - 106

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831039.D
 Acq On : 31 Aug 2006 17:28
 Sample : JPL16-009 TB-3-8/17/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:03 2006

Vial: 21
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.	d	
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.		
31) Chloroform	0.00	83	0	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.48	75	53	N.D.		
39) Benzene	4.76	78	59	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.64	130	74	N.D.		
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	7.11	92	207	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	7.69	166	115	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	8.56	112	219	N.D.		
62) Ethylbenzene	8.70	91	416	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.83	106	455	N.D.		
65) o-xylene	9.22	106	69	N.D.		
66) Styrene	9.23	104	279	N.D.		
67) Bromoform	9.39	173	115	N.D.		
68) Isopropylbenzene	9.60	105	547	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	10.01	120	126	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831039.D 8260B.M Fri Sep 01 07:04:10 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831039.D
 Acq On : 31 Aug 2006 17:28
 Sample : JPL16-009 TB-3-8/17/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:03 2006

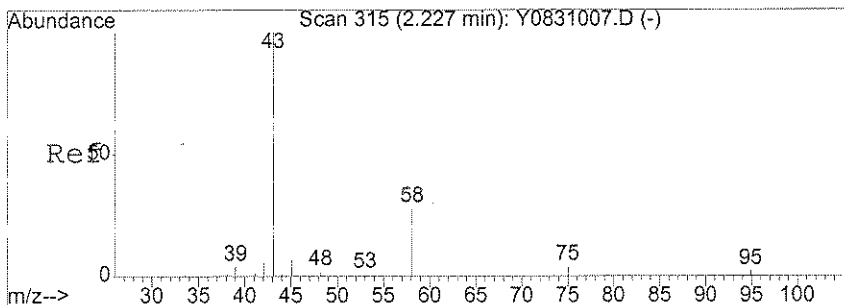
Vial: 21
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

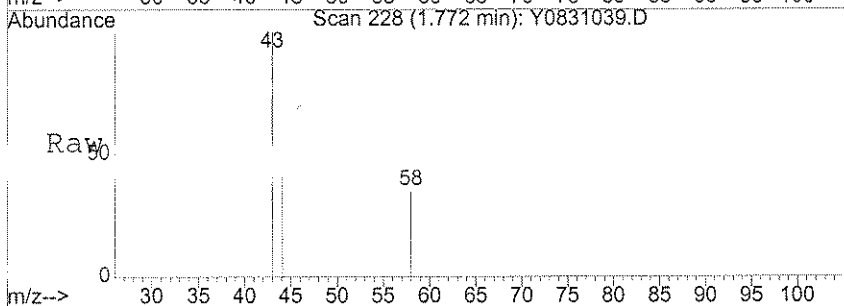
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	470		N.D.	
77) 1,3,5-Trimethylbenzene	10.19	105	673		N.D.	
78) 4-Chlorotoluene	10.17	91	559		N.D.	
79) tert-Butylbenzene	10.51	119	624		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	731		N.D.	
81) sec-butylbenzene	10.72	105	1027		N.D.	
82) 4-Isopropyltoluene	10.88	119	1242		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	138		N.D.	
84) 1,4-Dichlorobenzene	10.88	146	739		N.D.	
85) n-Butylbenzene	11.28	91	1188		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	533		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.82	180	1173		N.D.	
89) Hexachlorobutadiene	13.03	225	836	Below Cal	#	85
90) Naphthalene	13.05	128	1254		N.D.	
91) 1,2,3-Trichlorobenzene	13.29	180	1111	Below Cal	#	89

(#) = qualifier out of range (m) = manual integration
 Y0831039.D 8260B.M Fri Sep 01 07:04:10 2006

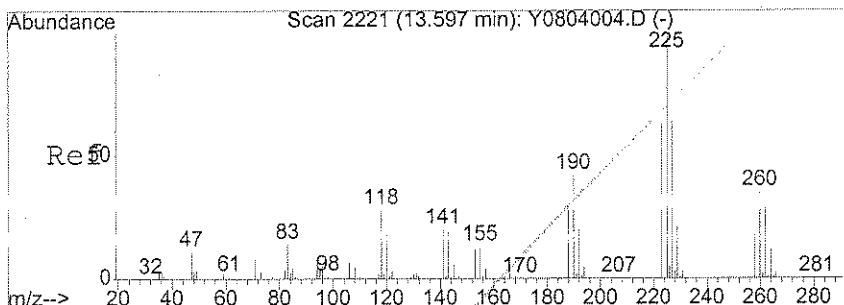
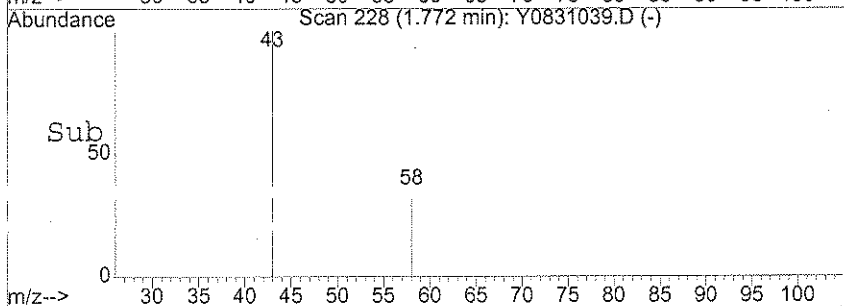
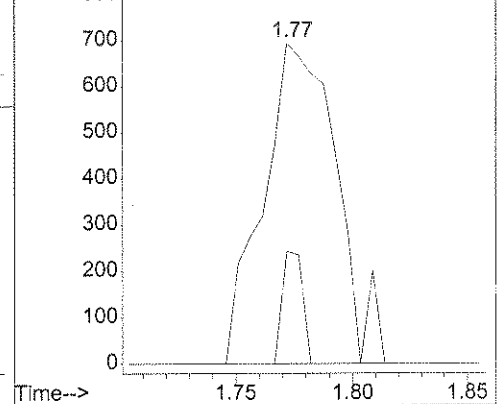


#11
 Acetone
 Concen: 2.01 ug/l
 RT: 1.77 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: Y0831039.D
 Acq: 31 Aug 2006 17:28

Tgt Ion: 43 Resp: 1507
 Ion Ratio Lower Upper
 43 100
 58 10.0 27.7 41.5#

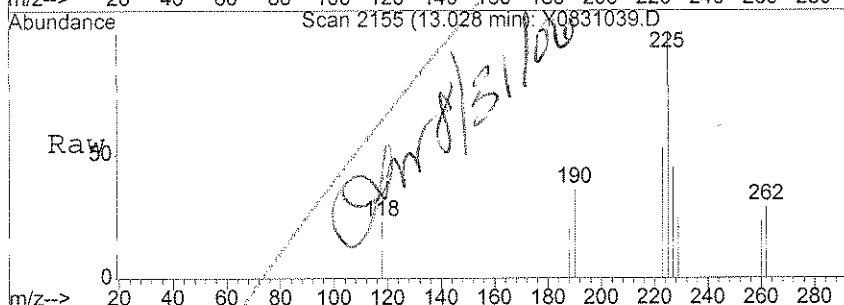


Abundance Ion 43.15 (42.85 to 43.85): Y0831039.D
 Ion 58.05 (57.75 to 58.75): Y0831039.D

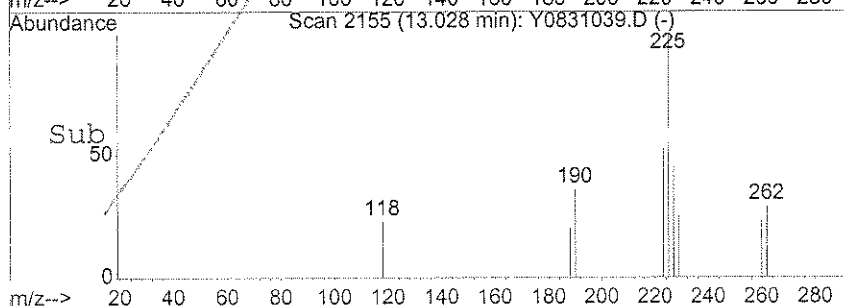
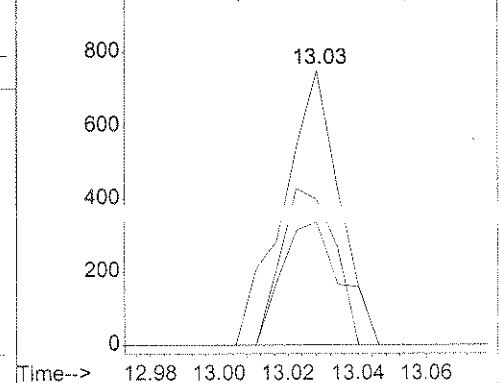


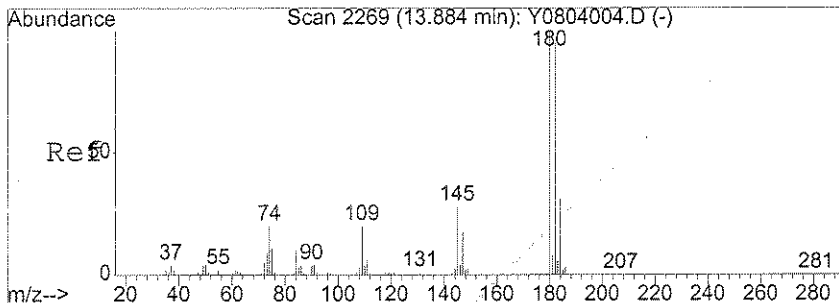
#89
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 13.03 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: Y0831039.D
 Acq: 31 Aug 2006 17:28

Tgt Ion: 225 Resp: 836
 Ion Ratio Lower Upper
 225 100
 223 54.8 49.8 74.8
 227 48.1 50.9 76.3#

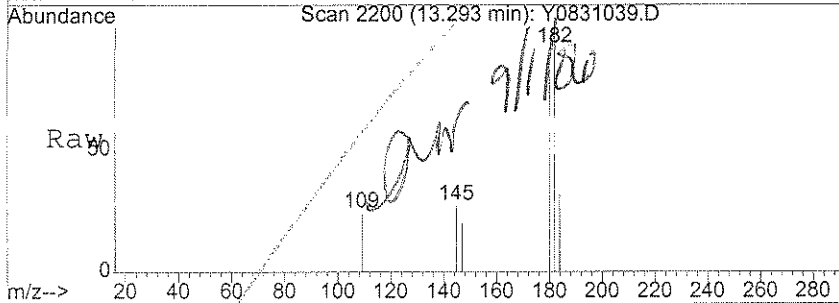


Abundance Ion 224.80 (224.50 to 225.50): Y083108
 Ion 222.80 (222.50 to 223.50): Y083108
 Ion 226.80 (226.50 to 227.50): Y083108

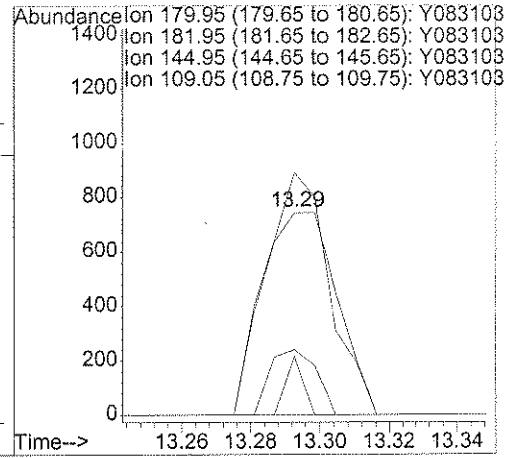
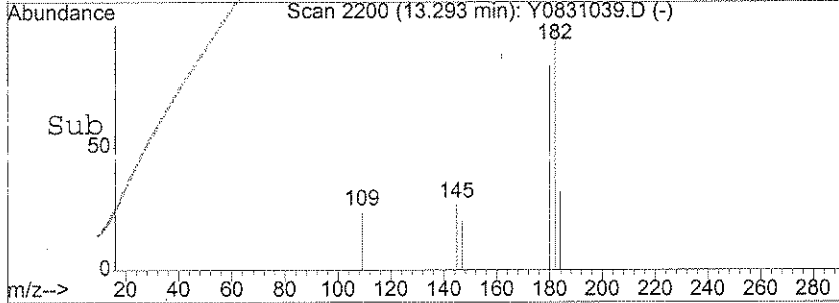




#91
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 13.29 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: Y0831039.D
 Acq: 31 Aug 2006 17:28



Tgt Ion	Resp	Lower	Upper
180	100		
182	102.7	76.1	114.1
145	20.2	20.7	31.1#
109	6.8	13.9	20.9#



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831039.D Vial: 21
Acq On : 31 Aug 2006 17:28 Operator: DGA
Sample : JPL16-009 TB-3-8/17/06 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831039.D 8260B.M Fri Sep 01 08:52:12 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831050.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 22:00

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-010
 Lab File ID: Y0831050.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 08/31/2006 22:00
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831050.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 22:00

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-3-4

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831050.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

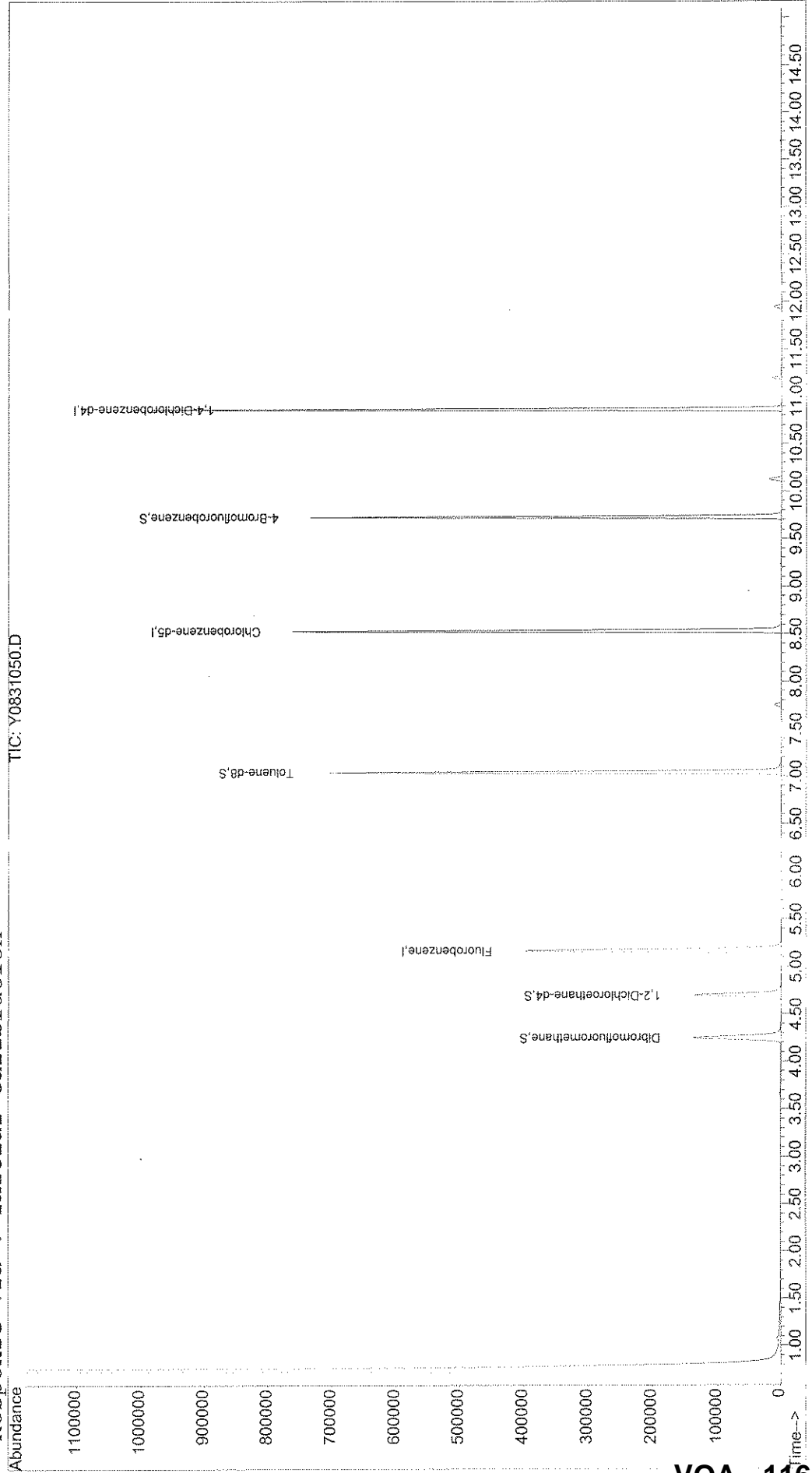
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831050.D Vial: 32
Acq On : 31 Aug 2006 22:00 Operator: DGA
Sample : JPL16-010 MW-3-4 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:32 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 116

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831050.D
 Acq On : 31 Aug 2006 22:00
 Sample : JPL16-010 MW-3-4
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:32 2006

Vial: 32
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	452551	50.00	ug/l	0.00 109.35%
50) Chlorobenzene-d5	8.53	82	198535	50.00	ug/l	0.00 107.70%
69) 1,4-Dichlorobenzene-d4	10.87	152	249363	50.00	ug/l	0.00 105.91%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	126779	51.50	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	122536	52.96	ug/l	0.00
51) Toluene-d8	7.04	98	455349	50.23	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	186682	52.08	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	636	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	2.39	73	211	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.	d	
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831050.D 8260B.M Fri Sep 01 07:32:30 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831050.D
 Acq On : 31 Aug 2006 22:00
 Sample : JPL16-010 MW-3-4
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:32 2006

Vial: 32
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.60	43	54		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.77	78	255		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	368		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	2031		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.82	106	68		N.D.	
65) o-xylene	9.22	106	53		N.D.	
66) Styrene	9.23	104	1093		N.D.	
67) Bromoform	9.38	173	78		N.D.	
68) Isopropylbenzene	9.73	105	135		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831050.D 8260B.M Fri Sep 01 07:32:31 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831050.D
 Acq On : 31 Aug 2006 22:00
 Sample : JPL16-010 MW-3-4
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:32 2006

Vial: 32
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	123		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	123		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	67		N.D.	
81) sec-butylbenzene	10.55	105	67		N.D.	
82) 4-Isopropyltoluene	10.88	119	195		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	121		N.D.	
85) n-Butylbenzene	11.28	91	184		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	160		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831050.D 8260B.M Fri Sep 01 07:32:31 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831050.D Vial: 32
Acq On : 31 Aug 2006 22:00 Operator: DGA
Sample : JPL16-010 MW-3-4 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831050.D 8260B.M Fri Sep 01 07:32:35 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831051.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 22:25

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831051.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 22:25

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831051.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 22:25

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-3-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831051.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

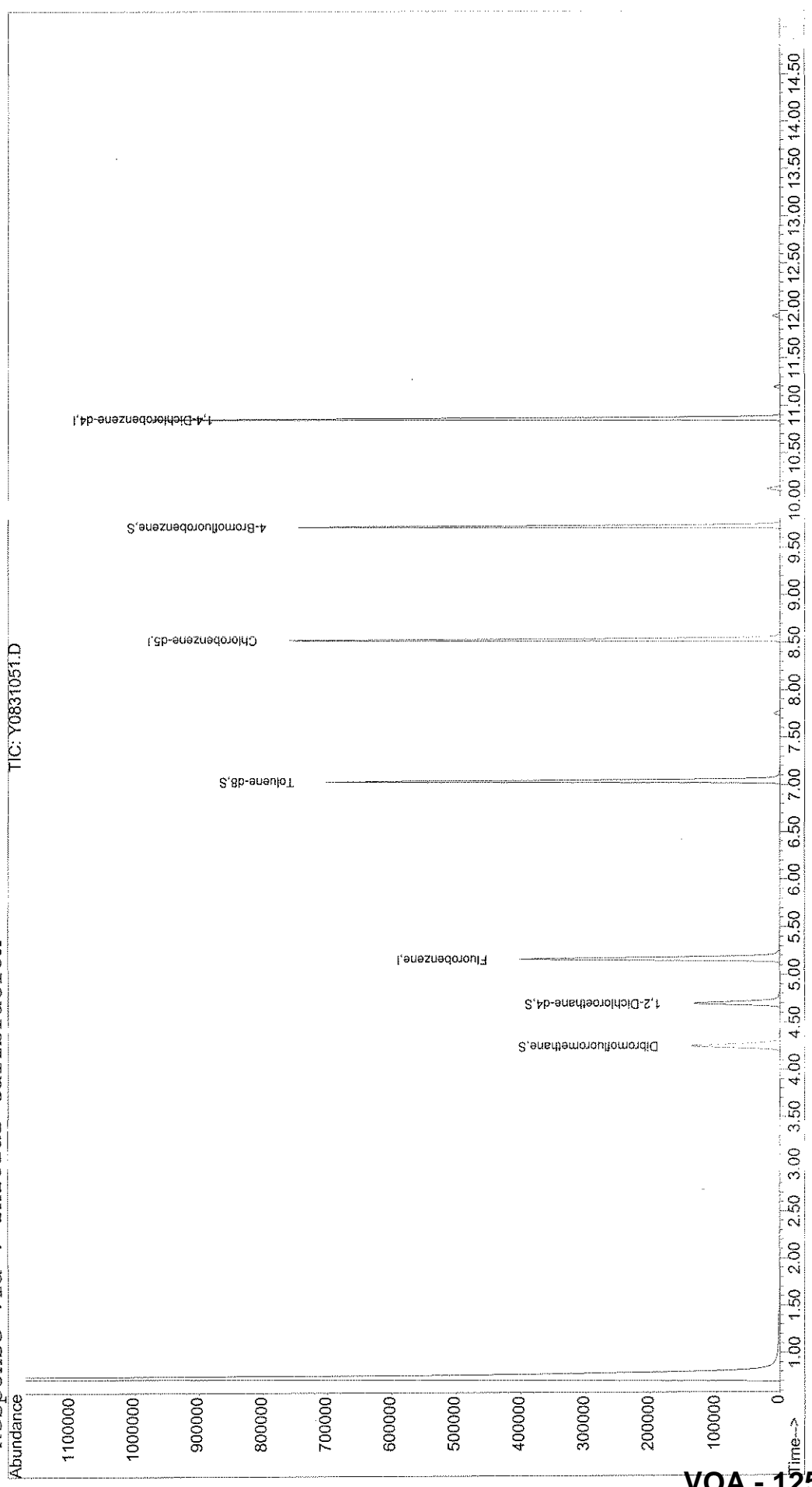
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831051.D Vial: 33
Acq On : 31 Aug 2006 22:25 Operator: DGA
Sample : JPL16-011 MW-3-3 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:33 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831051.D
 Acq On : 31 Aug 2006 22:25
 Sample : JPL16-011 MW-3-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:33 2006

Vial: 33
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.17	96	447957	50.00	ug/l	0.00 108.24%
50) Chlorobenzene-d5	8.53	82	194245	50.00	ug/l	0.00 105.37%
69) 1,4-Dichlorobenzene-d4	10.87	152	246265	50.00	ug/l	0.00 104.59%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	124787	51.21	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	118652	51.80	ug/l	0.00
51) Toluene-d8	7.04	98	445223	50.20	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	182255	51.48	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	63	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.76	63	414	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831051.D 8260B.M Fri Sep 01 08:51:50 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831051.D
 Acq On : 31 Aug 2006 22:25
 Sample : JPL16-011 MW-3-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:33 2006

Vial: 33
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.00	83	56		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	60		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	99		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	7.74	97	82		N.D.	
56) Tetrachloroethene	7.69	166	359		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	655		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	59		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.23	104	866		N.D.	
67) Bromoform	9.39	173	79		N.D.	
68) Isopropylbenzene	9.74	105	256		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831051.D 8260B.M Fri Sep 01 08:51:51 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831051.D
 Acq On : 31 Aug 2006 22:25
 Sample : JPL16-011 MW-3-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:33 2006

Vial: 33
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	62		N.D.	
81) sec-butylbenzene	10.55	105	62		N.D.	
82) 4-Isopropyltoluene	10.88	119	124		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	289		N.D.	
85) n-Butylbenzene	11.28	91	242		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	147		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	59		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831051.D 8260B.M Fri Sep 01 08:51:51 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831051.D Vial: 33
Acq On : 31 Aug 2006 22:25 Operator: DGA
Sample : JPL16-011 MW-3-3 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831051.D 8260B.M Fri Sep 01 08:54:15 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-012
 Lab File ID: Y0831052.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 08/31/2006 22:49
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.55	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831052.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 22:49

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-3-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-012
 Lab File ID: Y0831052.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 08/31/2006 22:49
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-3-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831052.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

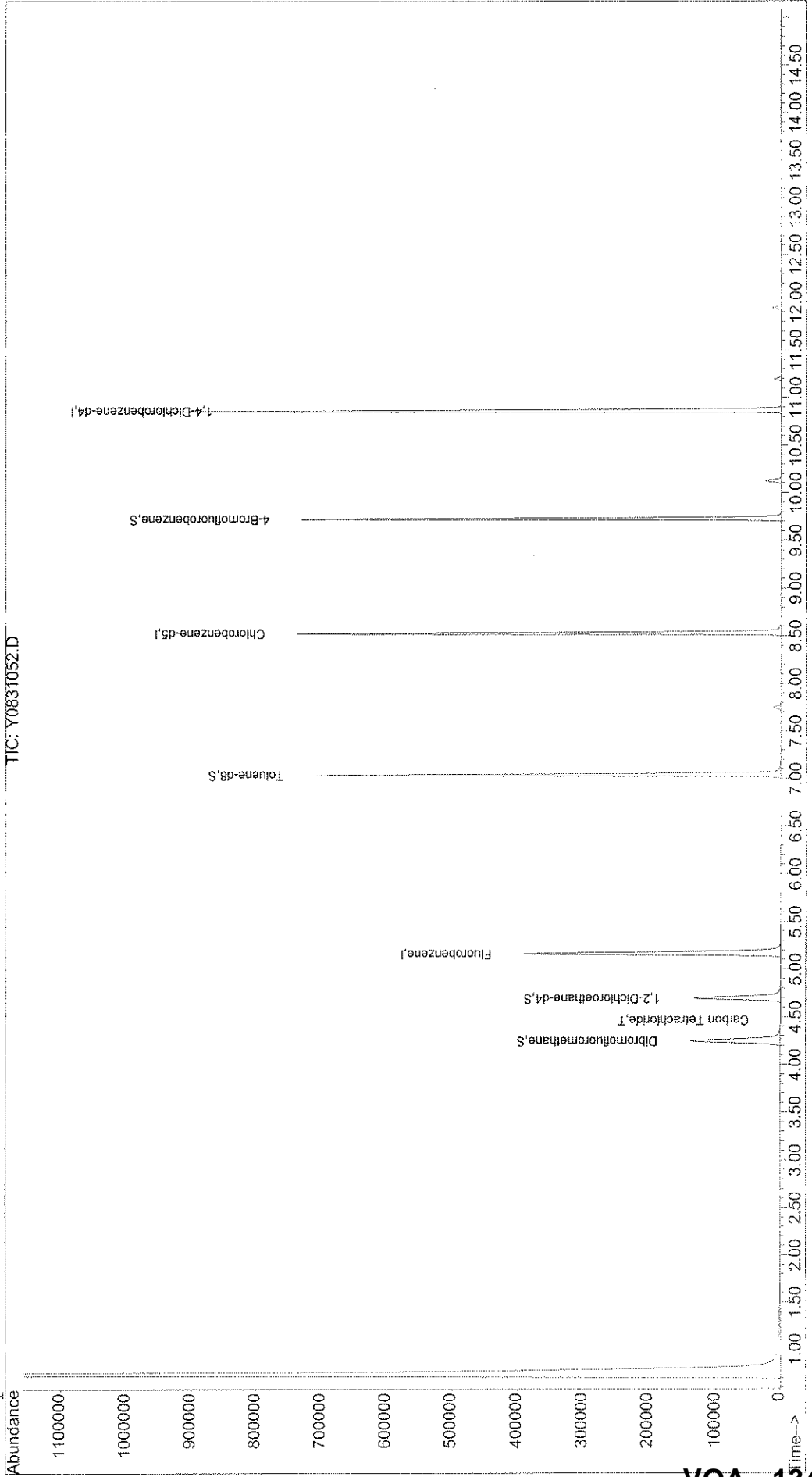
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831052.D Vial: 34
Acq On : 31 Aug 2006 22:49 Operator: DGA
Sample : JPL16-012 MW-3-2 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:34 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831052.D
 Acq On : 31 Aug 2006 22:49
 Sample : JPL16-012 MW-3-2
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:34 2006

Vial: 34
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.17	96	435873	50.00	ug/l	0.00 105.32%
50) Chlorobenzene-d5	8.53	82	196185	50.00	ug/l	0.00 106.43%
69) 1,4-Dichlorobenzene-d4	10.87	152	246462	50.00	ug/l	0.00 104.67%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	123864	52.24	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	118965	53.38	ug/l	0.00
51) Toluene-d8	7.04	98	447458	49.95	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	181956	51.36	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.79	43	132	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831052.D 8260B.M Fri Sep 01 07:34:43 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831052.D
 Acq On : 31 Aug 2006 22:49
 Sample : JPL16-012 MW-3-2
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:34 2006

Vial: 34
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	185		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	4.47	117	446	0.55 ug/l #		71
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.63	130	319		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	223		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	71		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.72	105	130		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Handwritten signature and date: 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831052.D 8260B.M Fri Sep 01 07:34:43 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831052.D
 Acq On : 31 Aug 2006 22:49
 Sample : JPL16-012 MW-3-2
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:34 2006

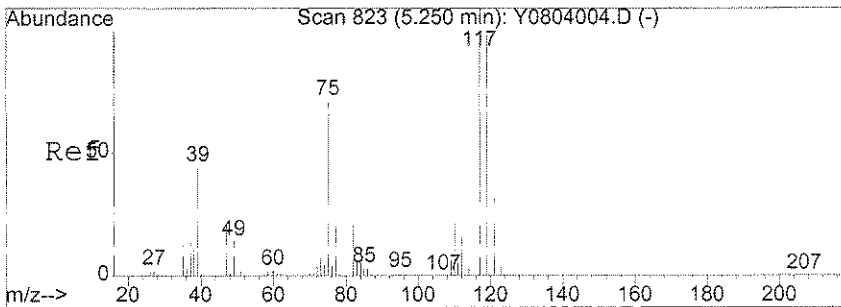
Vial: 34
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

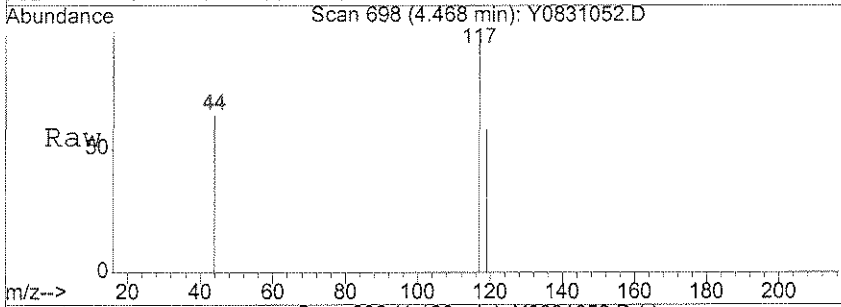
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	61		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	61		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	53		N.D.	
81) sec-butylbenzene	10.72	105	56		N.D.	
82) 4-Isopropyltoluene	10.88	119	210		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.28	91	246		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	133		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

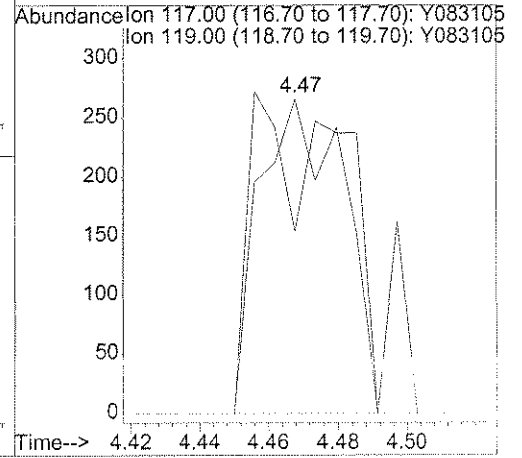
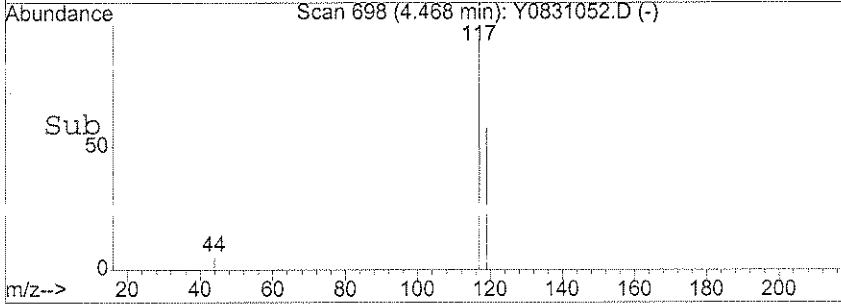
(#) = qualifier out of range (m) = manual integration
 Y0831052.D 8260B.M Fri Sep 01 07:34:43 2006



#35
 Carbon Tetrachloride
 Concen: 0.55 ug/l
 RT: 4.47 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: Y0831052.D
 Acq: 31 Aug 2006 22:49



Tgt Ion: 117 Resp: 446
 Ion Ratio Lower Upper
 117 100
 119 70.0 78.2 118.2#



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831052.D Vial: 34
Acq On : 31 Aug 2006 22:49 Operator: DGA
Sample : JPL16-012 MW-3-2 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831052.D 8260B.M Fri Sep 01 07:34:49 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831042.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 18:42

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-013
 Lab File ID: Y0831042.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 08/31/2006 18:42
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831042.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 18:42

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831042.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

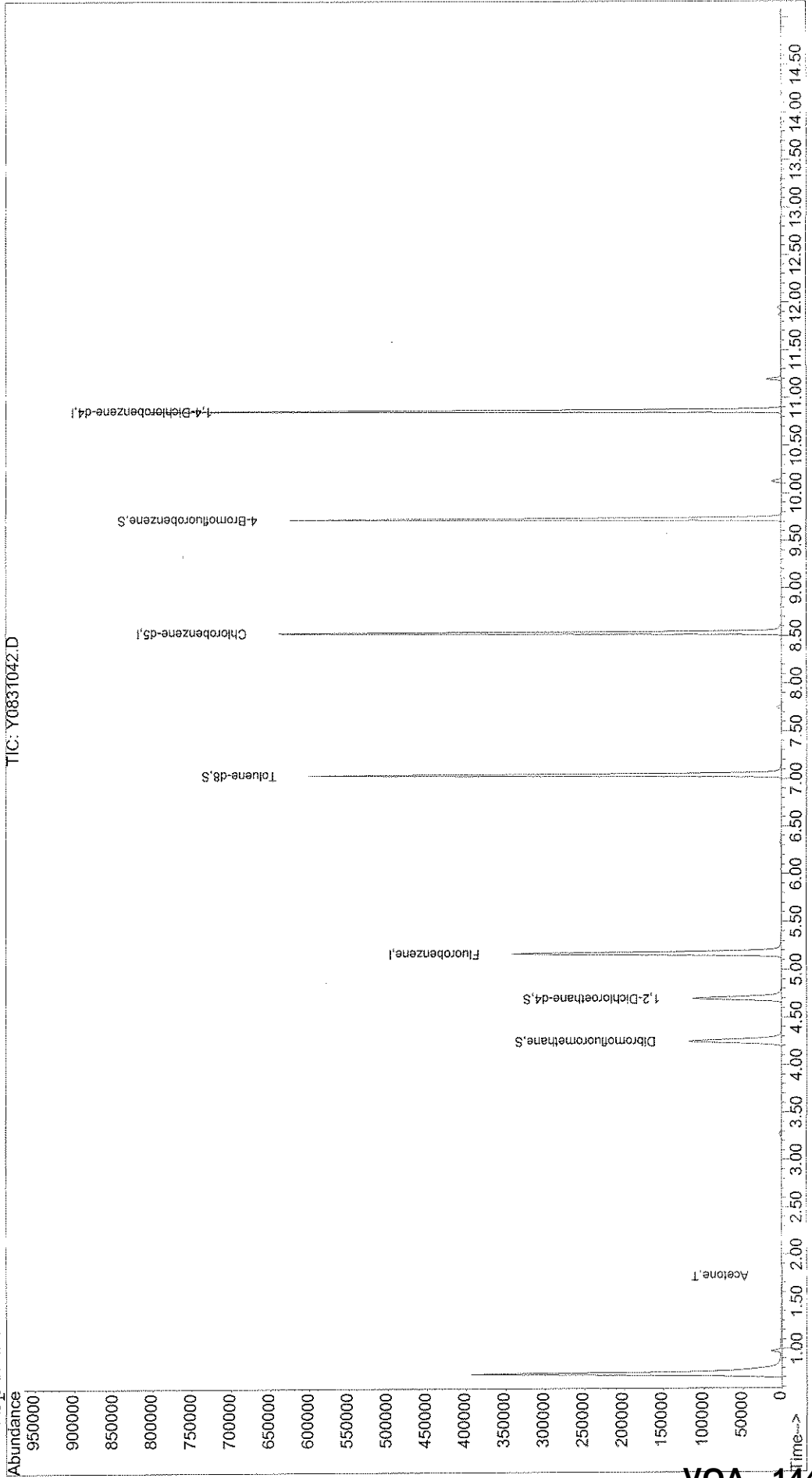
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831042.D Vial: 24
Acq On : 31 Aug 2006 18:42 Operator: DGA
Sample : JPL16-013 EB-4-8/18/06 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:18 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831042.D
 Acq On : 31 Aug 2006 18:42
 Sample : JPL16-013 EB-4-8/18/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:18 2006

Vial: 24
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.17	96	385167	50.00	ug/l	0.00 93.07%
50) Chlorobenzene-d5	8.53	82	169312	50.00	ug/l	0.00 91.85%
69) 1,4-Dichlorobenzene-d4	10.87	152	208010	50.00	ug/l	0.00 88.34%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	106221	50.70	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	101967	51.78	ug/l	0.00
51) Toluene-d8	7.04	98	385510	49.86	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	155621	52.04	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	3545	5.22	ug/l	# ✓ 85
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	172	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

Handwritten signature/initials

(#) = qualifier out of range (m) = manual integration
 Y0831042.D 8260B.M Fri Sep 01 07:18:49 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831042.D
 Acq On : 31 Aug 2006 18:42
 Sample : JPL16-013 EB-4-8/18/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:18 2006

Vial: 24
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.	d	
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.		
31) Chloroform	0.00	83	0	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	4.30	56	177	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	0.00	130	0	N.D.		
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	7.11	92	57	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	0.00	166	0	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	0.00	112	0	N.D.		
62) Ethylbenzene	8.71	91	228	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.83	106	94	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	0.00	104	0	N.D.		
67) Bromoform	0.00	173	0	N.D.		
68) Isopropylbenzene	9.73	105	114	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	10.20	120	60	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831042.D 8260B.M Fri Sep 01 07:18:49 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831042.D
 Acq On : 31 Aug 2006 18:42
 Sample : JPL16-013 EB-4-8/18/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:18 2006

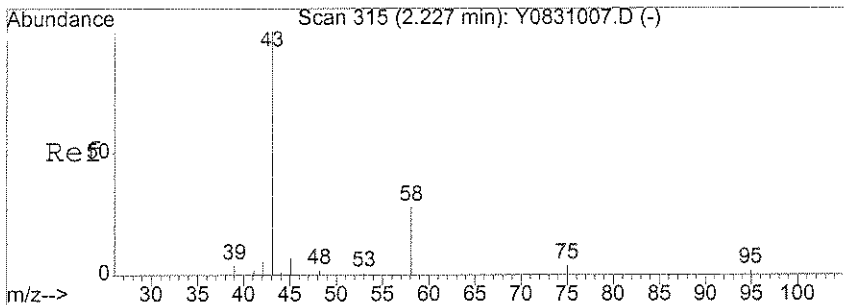
Vial: 24
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

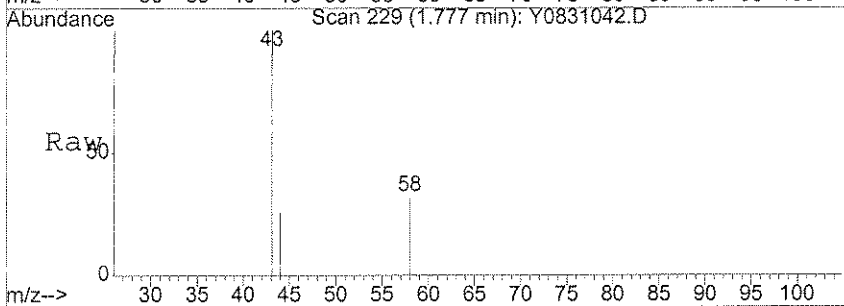
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	77		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	327		N.D.	
78) 4-Chlorotoluene	10.17	91	138		N.D.	
79) tert-Butylbenzene	10.51	119	127		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	383		N.D.	
81) sec-butylbenzene	10.73	105	445		N.D.	
82) 4-Isopropyltoluene	10.88	119	479		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	345		N.D.	
85) n-Butylbenzene	11.28	91	581		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	126		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

 (#) = qualifier out of range (m) = manual integration
 Y0831042.D 8260B.M Fri Sep 01 07:18:50 2006

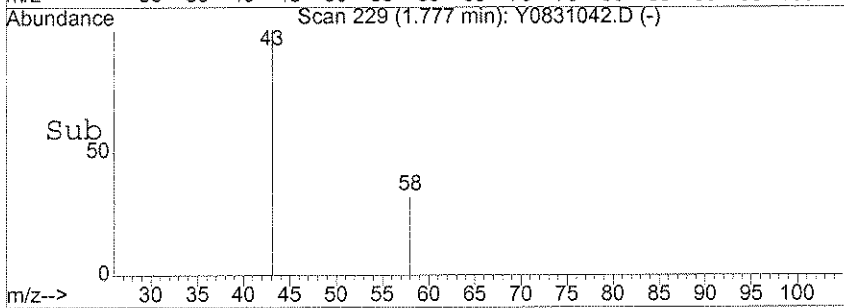
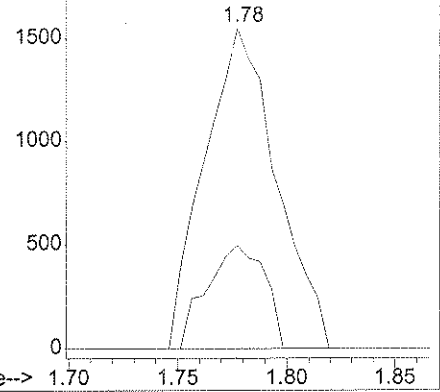


#11
 Acetone
 Concen: 5.22 ug/l
 RT: 1.78 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: Y0831042.D
 Acq: 31 Aug 2006 18:42

Tgt Ion: 43 Resp: 3545
 Ion Ratio Lower Upper
 43 100
 58 25.9 27.7 41.5#



Abundance Ion 43.15 (42.85 to 43.85): Y0831042.D
 Ion 58.05 (57.75 to 58.75): Y0831042.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831042.D Vial: 24
Acq On : 31 Aug 2006 18:42 Operator: DGA
Sample : JPL16-013 EB-4-8/18/06 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831042.D 8260B.M Fri Sep 01 08:52:36 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-014

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831041.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 18:17

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-014
 Lab File ID: Y0831041.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 08/31/2006 18:17
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-014

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831041.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 18:17

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-014
 Lab File ID: Y0831041.D
 Date Collected: 08/19/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

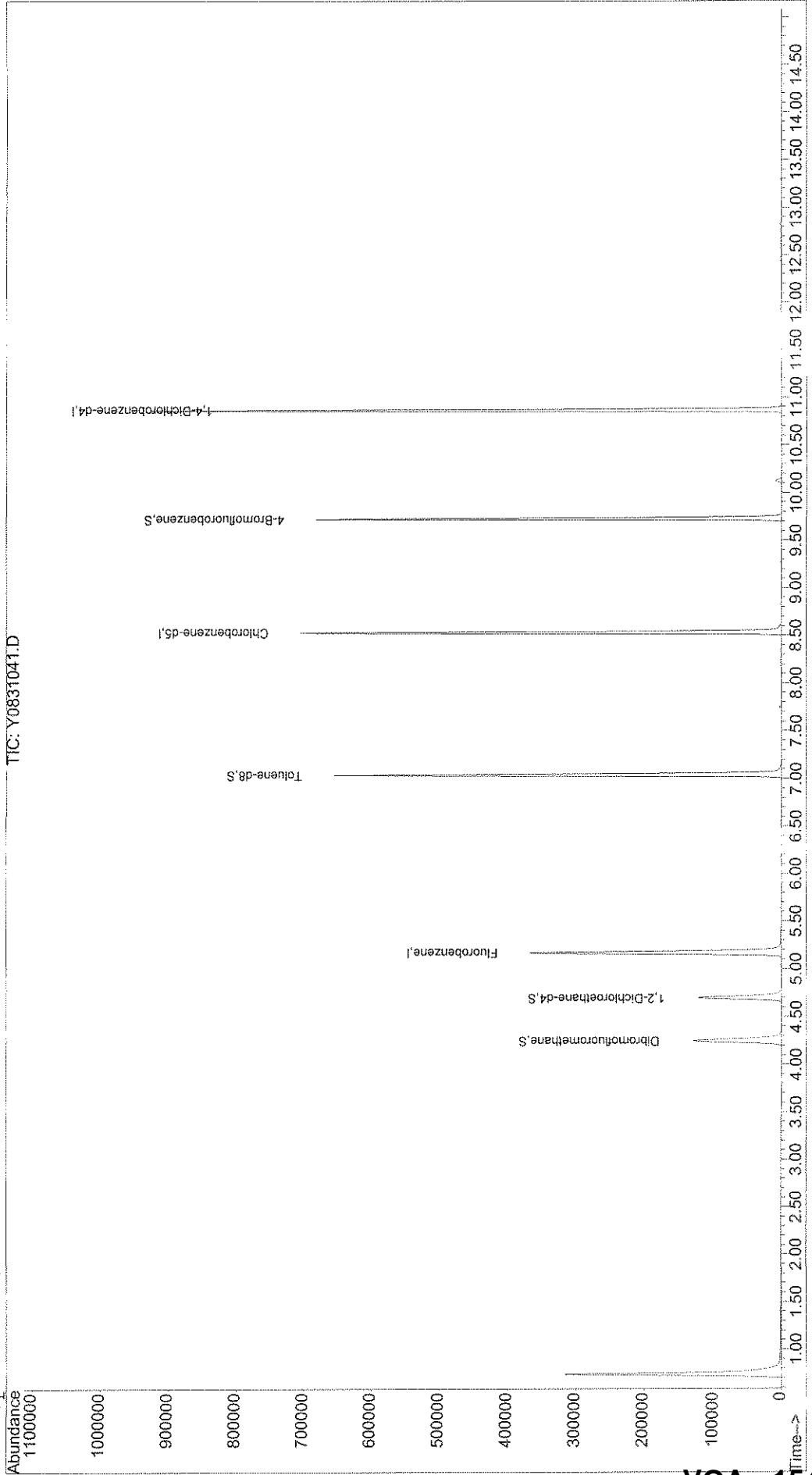
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831041.D Vial: 23
Acq On : 31 Aug 2006 18:17 Operator: DGA
Sample : JPL16-014 TB-4-8/18/09 Inst : Yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:16 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831041.D
 Acq On : 31 Aug 2006 18:17
 Sample : JPL16-014 TB-4-8/18/09
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:16 2006

Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	417356	50.00	ug/l	0.00 100.85%
50) Chlorobenzene-d5	8.53	82	185098	50.00	ug/l	0.00 100.41%
69) 1,4-Dichlorobenzene-d4	10.87	152	241857	50.00	ug/l	0.00 102.72%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	115756	50.99	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	109894	51.50	ug/l	0.00
51) Toluene-d8	7.04	98	421697	49.89	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	175126	50.37	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	203	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831041.D 8260B.M Fri Sep 01 07:16:37 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831041.D
 Acq On : 31 Aug 2006 18:17
 Sample : JPL16-014 TB-4-8/18/09
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:16 2006

Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.59	43	127		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	5.00	43	55	Below Cal	#	23
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.12	92	127		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	243		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	156		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.60	105	177		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.01	120	63		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831041.D 8260B.M Fri Sep 01 07:16:37 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831041.D
 Acq On : 31 Aug 2006 18:17
 Sample : JPL16-014 TB-4-8/18/09
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:16 2006

Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	59		N.D.	
77) 1,3,5-Trimethylbenzene	10.19	105	319		N.D.	
78) 4-Chlorotoluene	10.18	91	302		N.D.	
79) tert-Butylbenzene	10.51	119	242		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	361		N.D.	
81) sec-butylbenzene	10.73	105	488		N.D.	
82) 4-Isopropyltoluene	10.88	119	593		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	341		N.D.	
85) n-Butylbenzene	11.28	91	762		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	d
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831041.D 8260B.M Fri Sep 01 07:16:37 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831041.D Vial: 23
Acq On : 31 Aug 2006 18:17 Operator: DGA
Sample : JPL16-014 TB-4-8/18/09 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831041.D 8260B.M Fri Sep 01 08:52:28 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-015

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831053.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 23:14

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.38	J
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.38	J
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-015
 Lab File ID: Y0831053.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 08/31/2006 23:14
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	3.0	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-015
 Lab File ID: Y0831053.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 08/31/2006 23:14
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-5

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-015

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831053.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

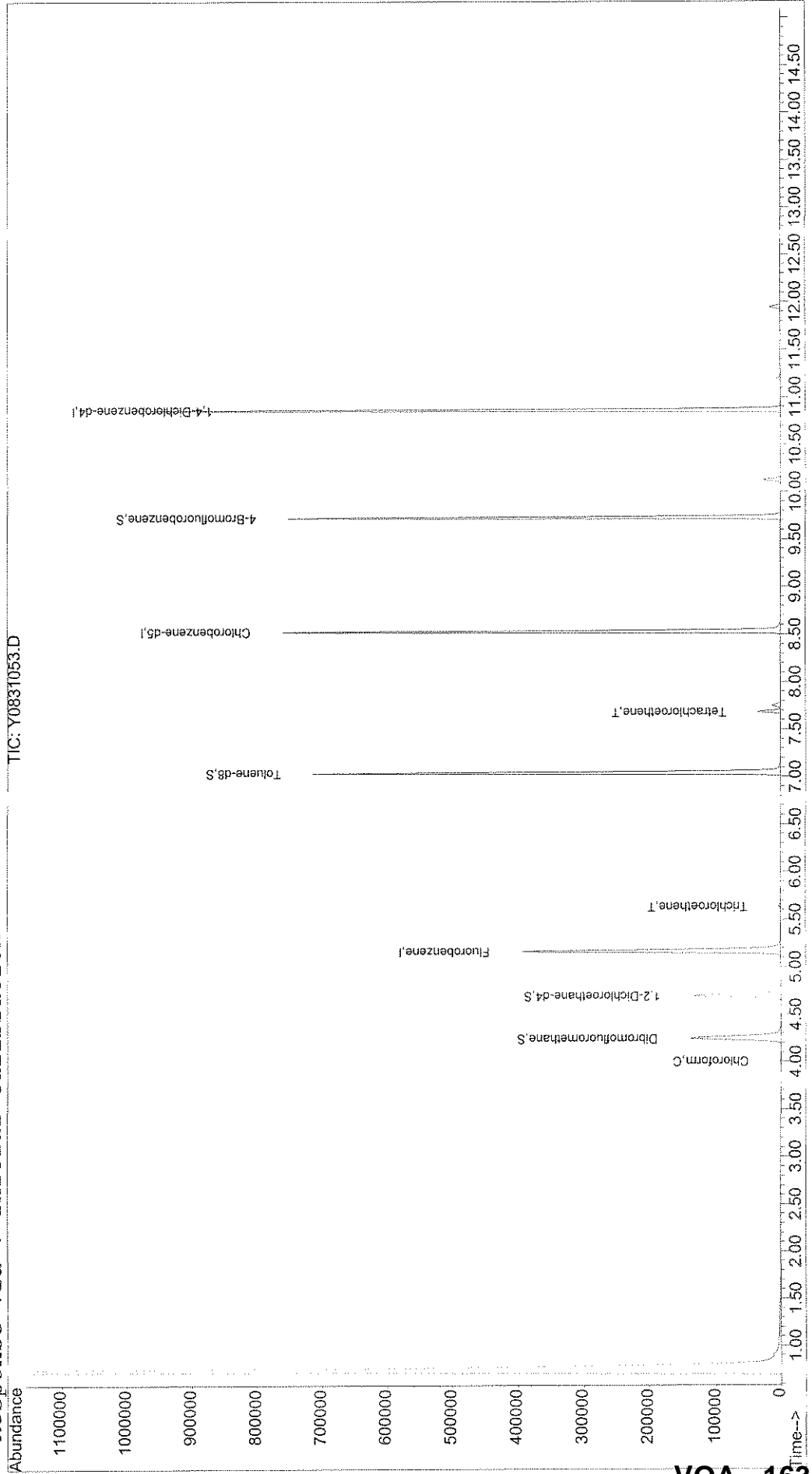
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831053.D Vial: 35
Acq On : 31 Aug 2006 23:14 Operator: DGA
Sample : JPL16-015 MW-19-5 Inst : yoda
Misc : 5mL+IS/SS #4 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:36 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831053.D
 Acq On : 31 Aug 2006 23:14
 Sample : JPL16-015 MW-19-5
 Misc : 5mL+IS/SS #4
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:36 2006

Vial: 35
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	445172	50.00	ug/l	0.00 107.57%
50) Chlorobenzene-d5	8.53	82	200126	50.00	ug/l	0.00 108.56%
69) 1,4-Dichlorobenzene-d4	10.87	152	249060	50.00	ug/l	0.00 105.78%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	125611	51.87	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	120700	53.03	ug/l	0.00
51) Toluene-d8	7.04	98	451869	49.45	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	185612	51.84	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	64	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.76	63	320	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831053.D 8260B.M Fri Sep 01 07:36:44 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831053.D
 Acq On : 31 Aug 2006 23:14
 Sample : JPL16-015 MW-19-5
 Misc : 5mL+IS/SS #4
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:36 2006

Vial: 35
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.00	83	1694	0.38	ug/l	93
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	1269	0.38	ug/l	86
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	74		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	7.76	97	53		N.D.	
56) Tetrachloroethene	7.69	166	11214	3.03	ug/l	97
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.83	91	69		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	188		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

OPR 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831053.D 8260B.M Fri Sep 01 07:36:45 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831053.D
 Acq On : 31 Aug 2006 23:14
 Sample : JPL16-015 MW-19-5
 Misc : 5mL+IS/SS #4
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:36 2006

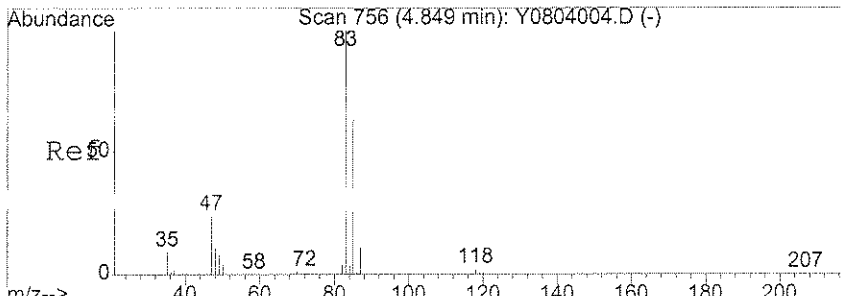
Vial: 35
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

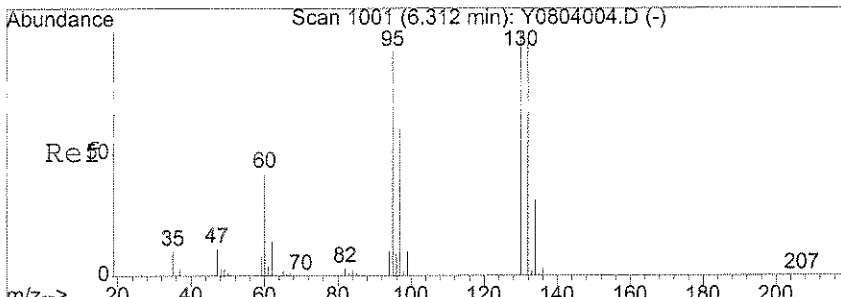
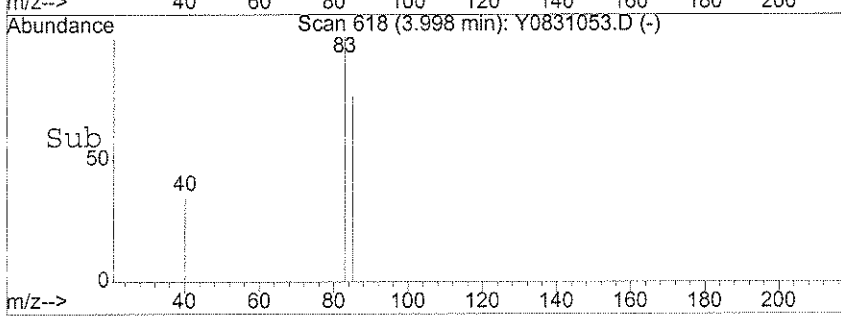
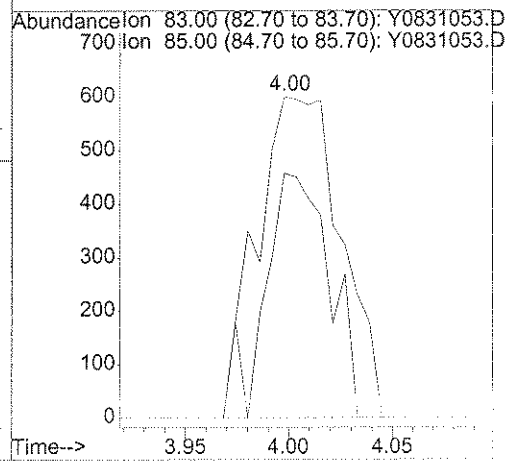
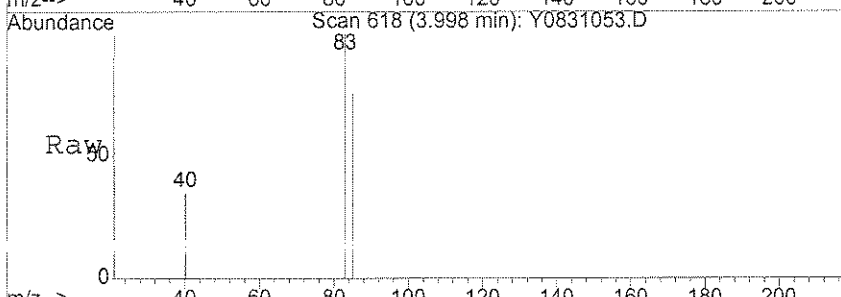
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.00	91	54		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.00	91	54		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.88	119	185		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	205		N.D.	
85) n-Butylbenzene	11.29	91	67		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	175		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	64		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831053.D 8260B.M Fri Sep 01 07:36:45 2006



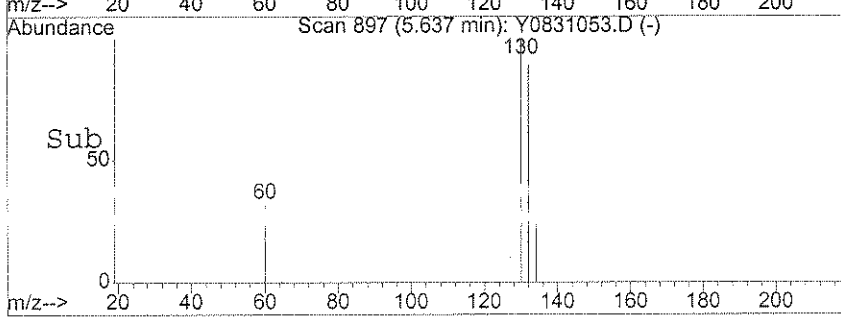
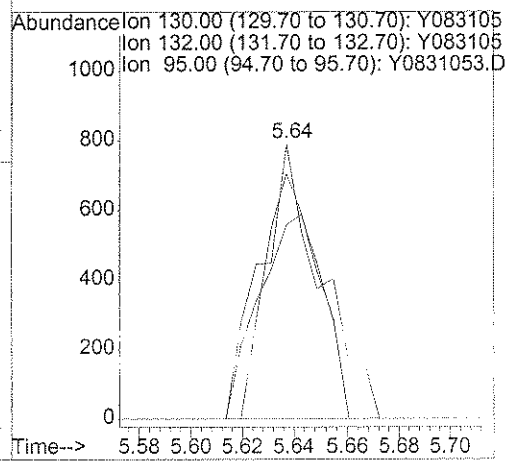
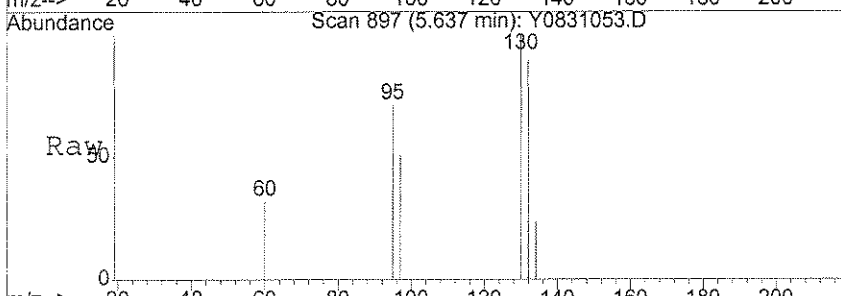
#31
 Chloroform
 Concen: 0.38 ug/l
 RT: 4.00 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: Y0831053.D
 Acq: 31 Aug 2006 23:14

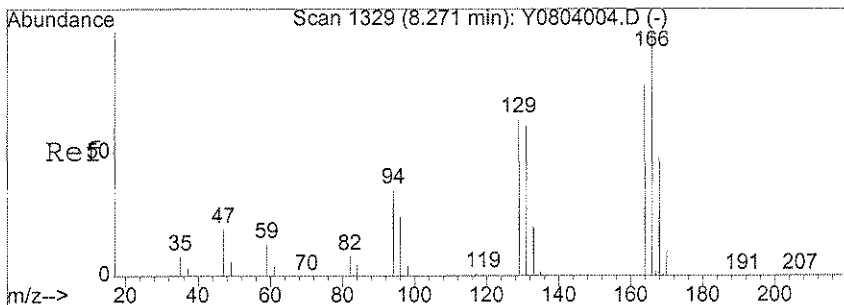
Tgt Ion:	83	Resp:	1694
Ion Ratio	Lower	Upper	
83	100		
85	58.8	44.6	84.6



#42
 Trichloroethene
 Concen: 0.38 ug/l
 RT: 5.64 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: Y0831053.D
 Acq: 31 Aug 2006 23:14

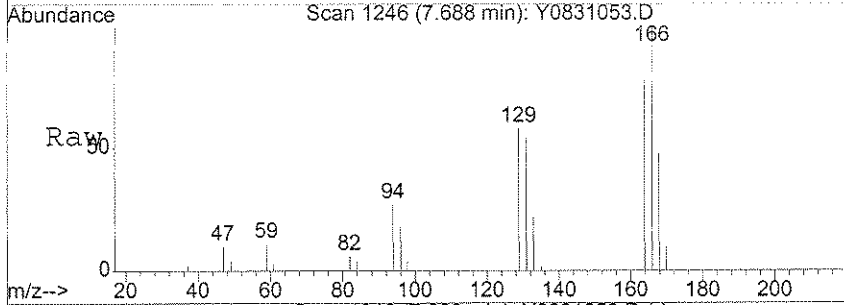
Tgt Ion:	130	Resp:	1269
Ion Ratio	Lower	Upper	
130	100		
132	79.1	76.9	116.9
95	79.3	67.3	107.3



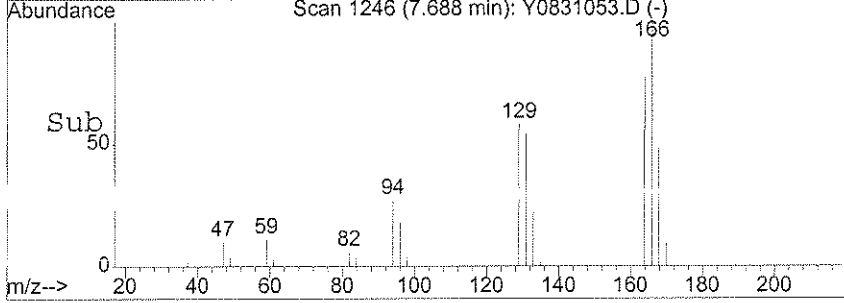
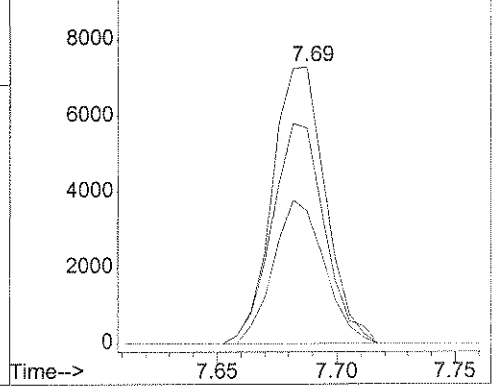


#56
 Tetrachloroethene
 Concen: 3.03 ug/l
 RT: 7.69 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: Y0831053.D
 Acq: 31 Aug 2006 23:14

Tgt Ion	Resp	Lower	Upper
166	100		
164	79.2	61.7	92.5
168	50.0	38.6	57.8



Abundance Ion 165.95 (165.65 to 166.65): Y083105
 10000 Ion 163.95 (163.65 to 164.65): Y083105
 Ion 167.95 (167.65 to 168.65): Y083105



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831053.D Vial: 35
Acq On : 31 Aug 2006 23:14 Operator: DGA
Sample : JPL16-015 MW-19-5 Inst : yoda
Misc : 5mL+IS/SS #4 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831053.D 8260B.M Fri Sep 01 07:36:50 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831054.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 23:39

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831054.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 23:39

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.64	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831054.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 08/31/2006 23:39

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-4

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831054.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

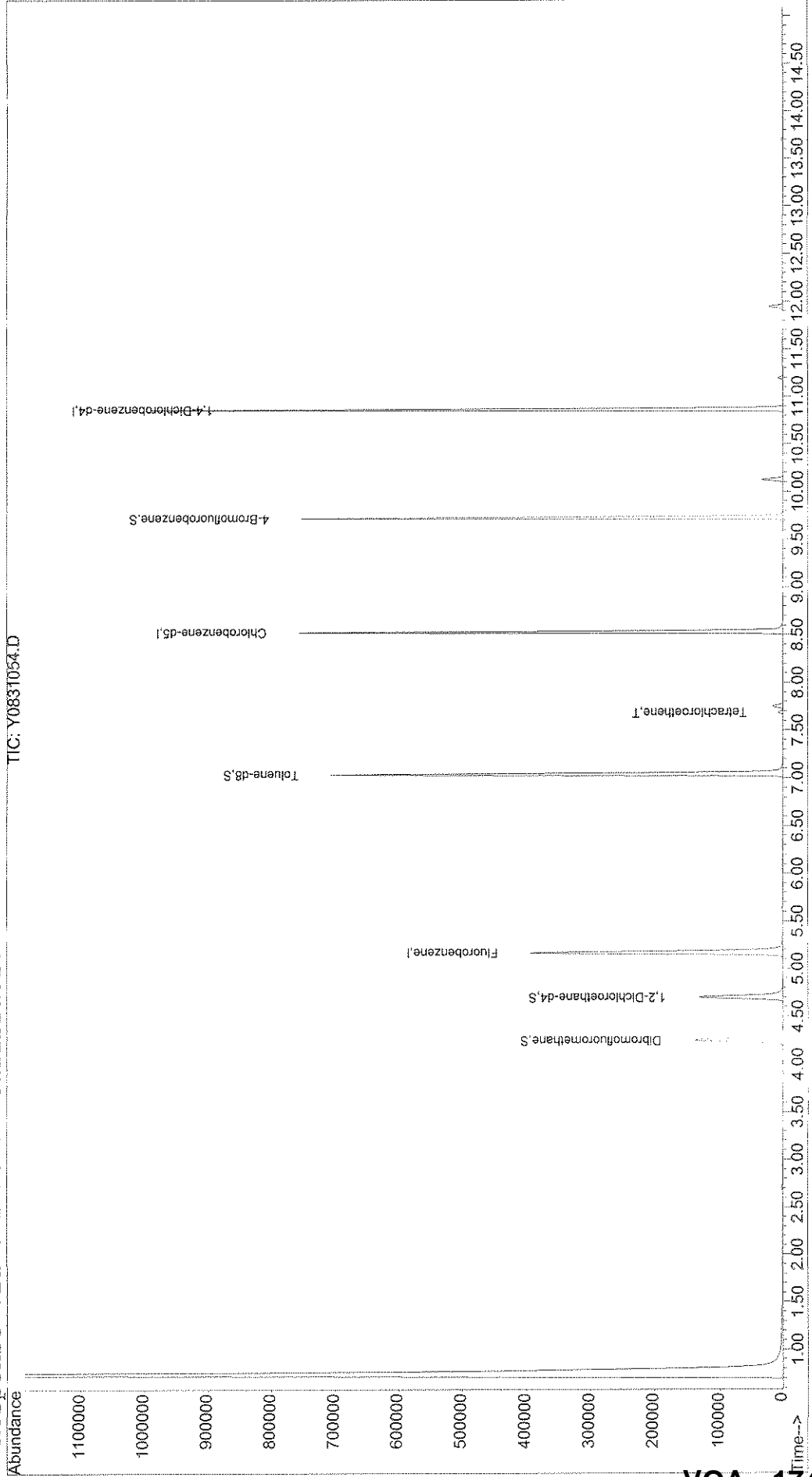
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831054.D Vial: 36
Acq On : 31 Aug 2006 23:39 Operator: DGA
Sample : JPL16-016 MW-19-4 Inst : yoda
Misc : 5mL+IS/SS #5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:38 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831054.D
 Acq On : 31 Aug 2006 23:39
 Sample : JPL16-016 MW-19-4
 Misc : 5mL+IS/SS #5
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:38 2006

Vial: 36
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	450256	50.00	ug/l	0.00	108.80%
50) Chlorobenzene-d5	8.53	82	200716	50.00	ug/l	0.00	108.88%
69) 1,4-Dichlorobenzene-d4	10.87	152	251030	50.00	ug/l	0.00	106.61%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	125057	51.06	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	122000	52.99	ug/l	0.00	
51) Toluene-d8	7.04	98	449752	49.07	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	187241	51.89	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.78	63	60	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831054.D 8260B.M Fri Sep 01 07:38:35 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831054.D
 Acq On : 31 Aug 2006 23:39
 Sample : JPL16-016 MW-19-4
 Misc : 5mL+IS/SS #5
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:38 2006

Vial: 36
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.00	83	1055		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.63	130	483		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	135		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.69	166	2386	0.64	ug/l	96
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	62		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.82	106	130		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	75		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Qm 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831054.D 8260B.M Fri Sep 01 07:38:35 2006

Quantitation Report

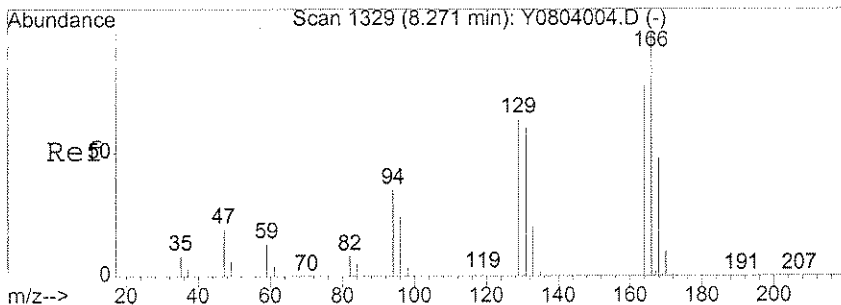
Data File : Q:\MSDCHEM\1\DATA\083106\Y0831054.D
 Acq On : 31 Aug 2006 23:39
 Sample : JPL16-016 MW-19-4
 Misc : 5mL+IS/SS #5
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:38 2006

Vial: 36
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

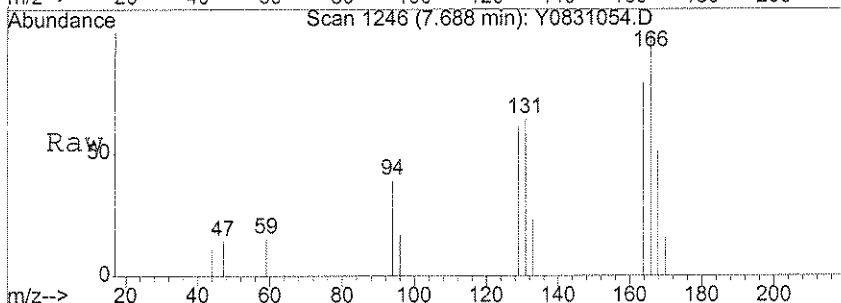
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.88	119	59		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	201		N.D.	
85) n-Butylbenzene	11.29	91	172		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	73		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

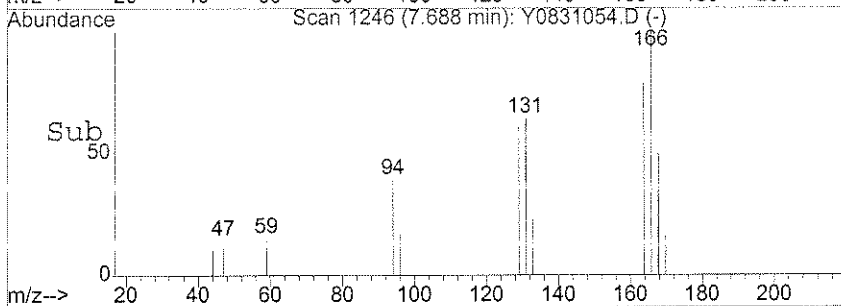
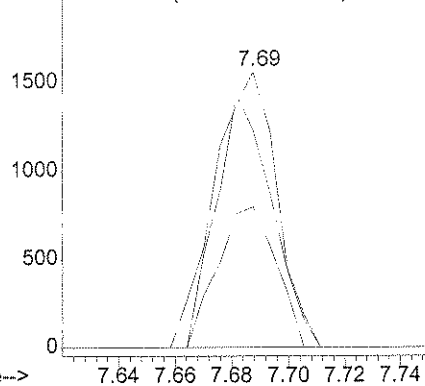


#56
 Tetrachloroethene
 Concen: 0.64 ug/l
 RT: 7.69 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: Y0831054.D
 Acq: 31 Aug 2006 23:39

Tgt Ion	Resp	Lower	Upper
166	100		
164	82.0	61.7	92.5
168	47.7	38.6	57.8



Abundance Ion 165.95 (165.65 to 166.65): Y083105
 Ion 163.95 (163.65 to 164.65): Y083105
 2000 Ion 167.95 (167.65 to 168.65): Y083105



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831054.D Vial: 36
Acq On : 31 Aug 2006 23:39 Operator: DGA
Sample : JPL16-016 MW-19-4 Inst : yoda
Misc : 5mL+IS/SS #5 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831054.D 8260B.M Fri Sep 01 07:38:43 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-017

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831055.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 00:03

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-017
 Lab File ID: Y0831055.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 09/01/2006 00:03
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
10061-02-	trans-1,3-Dichloropropene	0.50		U
79-00-5	1,1,2-Trichloroethane	0.50		U
127-18-4	Tetrachloroethene	0.52		
142-28-9	1,3-Dichloropropane	0.50		U
124-48-1	Dibromochloromethane	0.50		U
106-93-4	1,2-Dibromoethane	0.50		U
108-90-7	Chlorobenzene	0.50		U
100-41-4	Ethylbenzene	0.50		U
630-20-6	1,1,1,2-Tetrachloroethane	0.50		U
179601-23	m,p-Xylene	1.0		U
95-47-6	o-Xylene	0.50		U
100-42-5	Styrene	0.50		U
75-25-2	Bromoform	0.50		U
98-82-8	Isopropylbenzene	0.50		U
79-34-5	1,1,2,2-Tetrachloroethane	0.50		U
103-65-1	n-Propylbenzene	0.50		U
108-86-1	Bromobenzene	0.50		U
96-18-4	1,2,3-Trichloropropane	0.50		U
95-49-8	2-Chlorotoluene	0.50		U
108-67-8	1,3,5-Trimethylbenzene	0.50		U
106-43-4	4-Chlorotoluene	0.50		U
98-06-6	tert-Butylbenzene	0.50		U
95-63-6	1,2,4-Trimethylbenzene	0.50		U
135-98-8	sec-Butylbenzene	0.50		U
99-87-6	4-Isopropyltoluene	0.50		U
541-73-1	1,3-Dichlorobenzene	0.50		U
106-46-7	1,4-Dichlorobenzene	0.50		U
104-51-8	n-Butylbenzene	0.50		U
95-50-1	1,2-Dichlorobenzene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-017

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831055.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 00:03

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-017
 Lab File ID: Y0831055.D
 Date Collected: 08/19/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

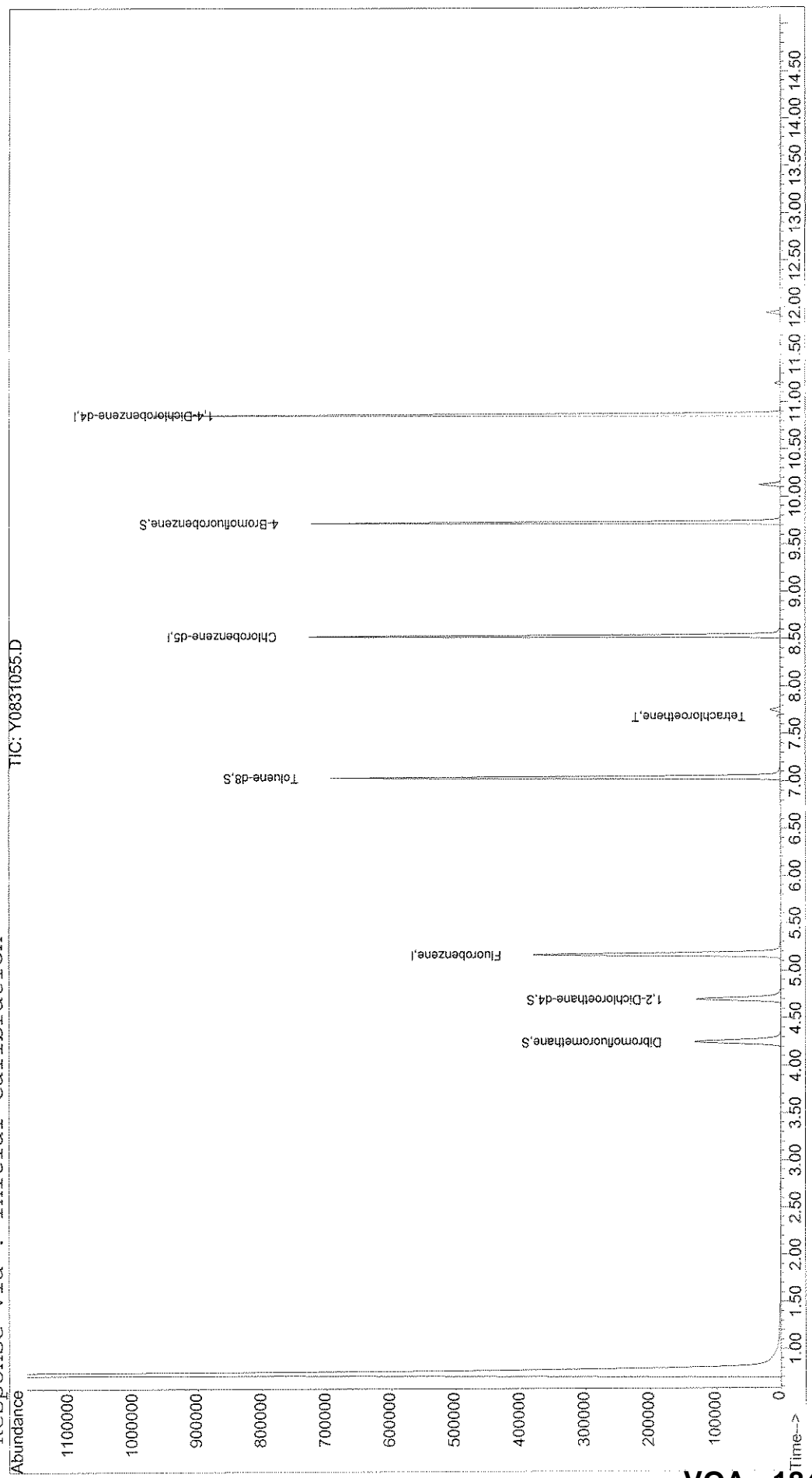
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831055.D Vial: 37
Acq On : 1 Sep 2006 00:03 Operator: DGA
Sample : JPL16-017 MW-19-3 Inst : yoda
Misc : 5mL+IS/SS #5 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:39 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831055.D
 Acq On : 1 Sep 2006 00:03
 Sample : JPL16-017 MW-19-3
 Misc : 5mL+IS/SS #5
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:39 2006

Vial: 37
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	432666	50.00	ug/l	0.00 104.55%
50) Chlorobenzene-d5	8.53	82	192694	50.00	ug/l	0.00 104.53%
69) 1,4-Dichlorobenzene-d4	10.87	152	244390	50.00	ug/l	0.00 103.79%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	123015	52.27	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	118892	53.74	ug/l	0.00
51) Toluene-d8	7.04	98	440556	50.07	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	181671	51.71	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.77	63	197	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	3.48	96	368	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831055.D 8260B.M Fri Sep 01 07:39:47 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831055.D
 Acq On : 1 Sep 2006 00:03
 Sample : JPL16-017 MW-19-3
 Misc : 5mL+IS/SS #5
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:39 2006

Vial: 37
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	615		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.77	78	54		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	318		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	6.25	83	56		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	145		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	7.75	97	110		N.D.	
56) Tetrachloroethene	7.69	166	1847	0.52	ug/l	94
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.71	91	168		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.82	106	116		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.38	173	59		N.D.	
68) Isopropylbenzene	9.73	105	121		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

AW 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831055.D 8260B.M Fri Sep 01 07:39:47 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831055.D
 Acq On : 1 Sep 2006 00:03
 Sample : JPL16-017 MW-19-3
 Misc : 5mL+IS/SS #5
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:39 2006

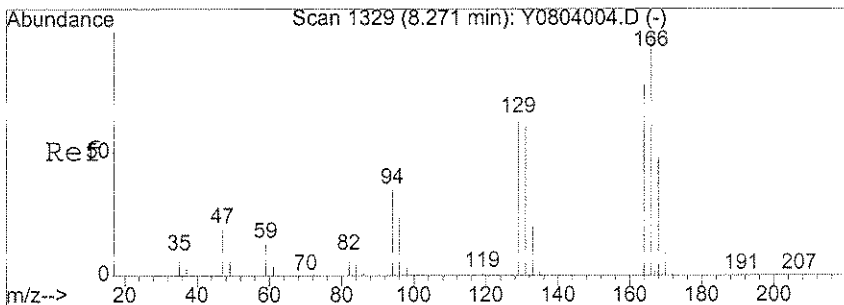
Vial: 37
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

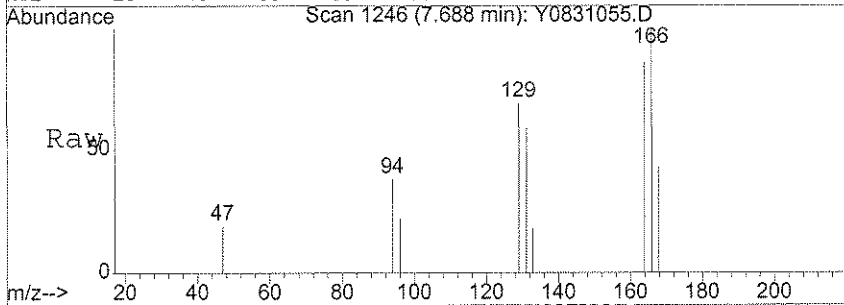
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	64		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	64		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.88	119	123		N.D.	
83) 1,3-Dichlorobenzene	10.79	111	115		N.D.	
84) 1,4-Dichlorobenzene	10.89	146	375		N.D.	
85) n-Butylbenzene	11.28	91	192		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	504		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831055.D 8260B.M Fri Sep 01 07:39:48 2006

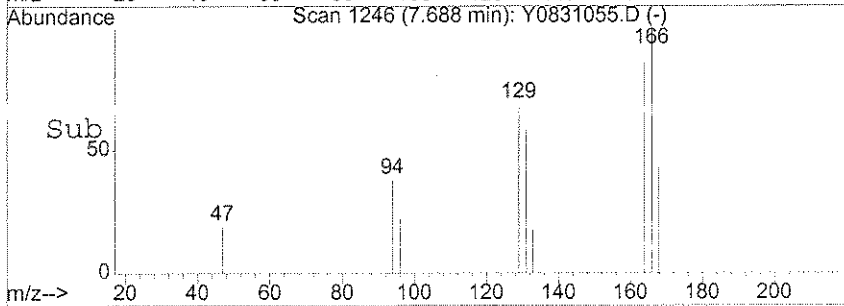
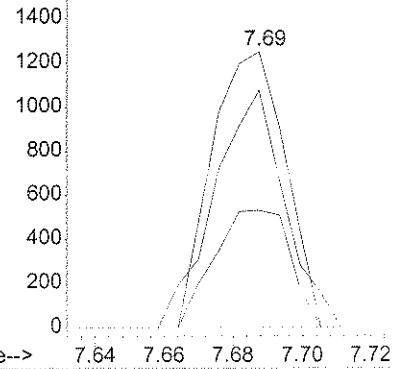


#56
 Tetrachloroethene
 Concen: 0.52 ug/l
 RT: 7.69 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: Y0831055.D
 Acq: 1 Sep 2006 00:03

Tgt Ion	Resp	Lower	Upper
166	1847		
164	82.2	61.7	92.5
168	43.5	38.6	57.8



Abundance Ion 165.95 (165.65 to 166.65): Y083105
 Ion 163.95 (163.65 to 164.65): Y083105
 Ion 167.95 (167.65 to 168.65): Y083105



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831055.D Vial: 37
Acq On : 1 Sep 2006 00:03 Operator: DGA
Sample : JPL16-017 MW-19-3 Inst : yoda
Misc : 5mL+IS/SS #5 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831055.D 8260B.M Fri Sep 01 07:39:52 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-018

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831056.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 00:28

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.34	J
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.58	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	1.2	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-018
 Lab File ID: Y0831056.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 09/01/2006 00:28
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.66	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-018
 Lab File ID: Y0831056.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 09/01/2006 00:28
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-018

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831056.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

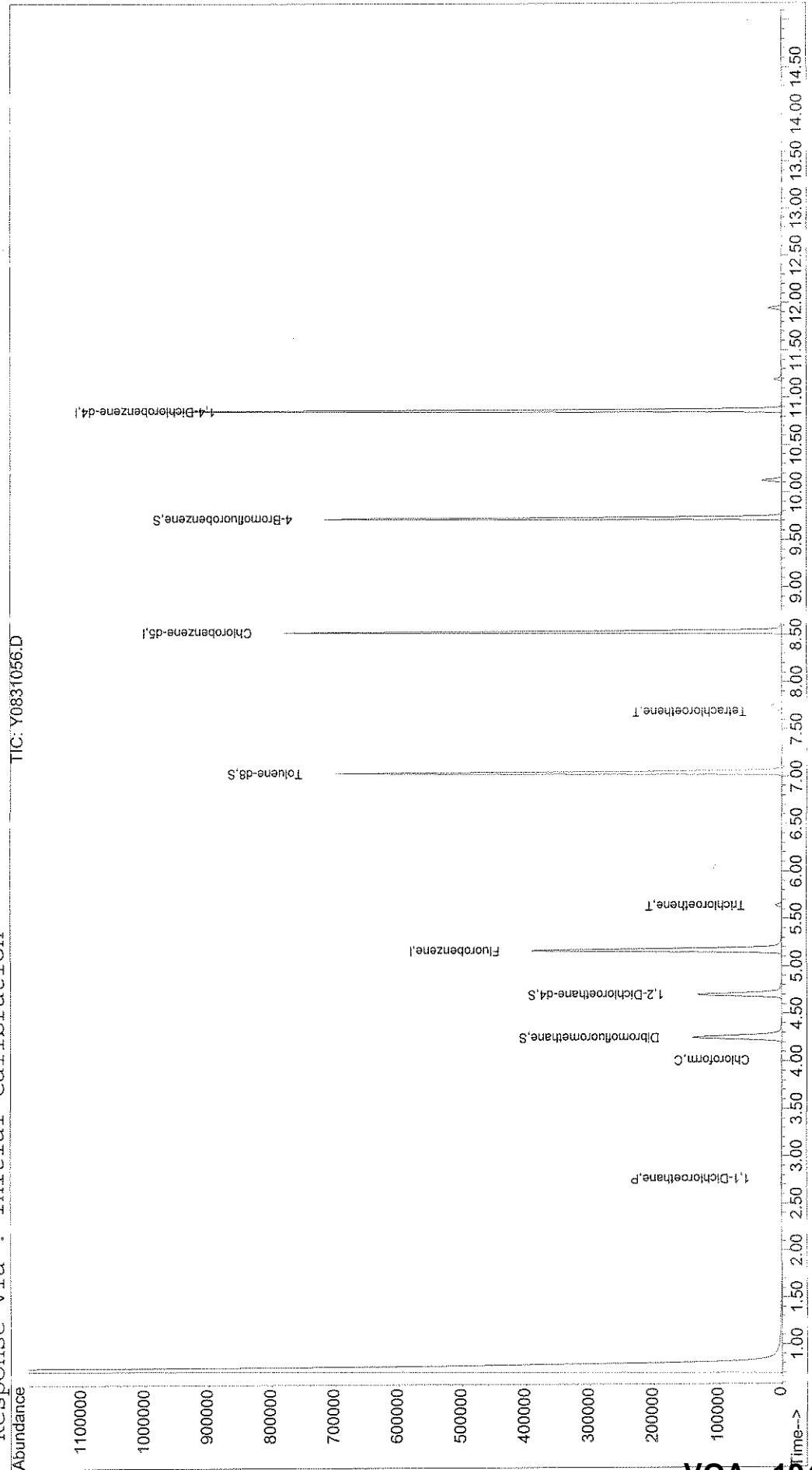
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831056.D Vial: 38
Acq On : 1 Sep 2006 00:28 Operator: DGA
Sample : JPL16-018 MW-19-2 Inst : Yoda
Misc : 5mL+IS/SS #6 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:41 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 194

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831056.D
 Acq On : 1 Sep 2006 00:28
 Sample : JPL16-018 MW-19-2
 Misc : 5mL+IS/SS #6
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:41 2006

Vial: 38
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	444054	50.00	ug/l	0.00 107.30%
50) Chlorobenzene-d5	8.53	82	198199	50.00	ug/l	0.00 107.52%
69) 1,4-Dichlorobenzene-d4	10.87	152	249644	50.00	ug/l	0.00 106.03%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	124462	51.52	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	120876	53.24	ug/l	0.00
51) Toluene-d8	7.04	98	450395	49.77	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	184701	51.47	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.77	63	1452	0.34	ug/l	67
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	3.49	96	436	N.D.		

Qex 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831056.D 8260B.M Fri Sep 01 07:42:05 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831056.D
 Acq On : 1 Sep 2006 00:28
 Sample : JPL16-018 MW-19-2
 Misc : 5mL+IS/SS #6
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:41 2006

Vial: 38
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.02	83	2593m	0.58	ug/l	S 37
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.76	78	118		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	3933	1.18	ug/l	✓ 99
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	6.25	83	566		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	85		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	7.75	97	80		N.D.	
56) Tetrachloroethene	7.68	166	2422	0.66	ug/l	✓ 95
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	7.95	129	59		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.82	91	53		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	58		N.D.	
68) Isopropylbenzene	9.60	105	57		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831056.D 8260B.M Fri Sep 01 07:42:05 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831056.D
 Acq On : 1 Sep 2006 00:28
 Sample : JPL16-018 MW-19-2
 Misc : 5mL+IS/SS #6
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:41 2006

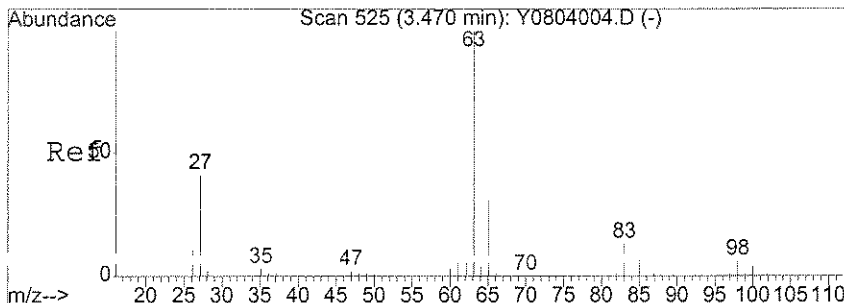
Vial: 38
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

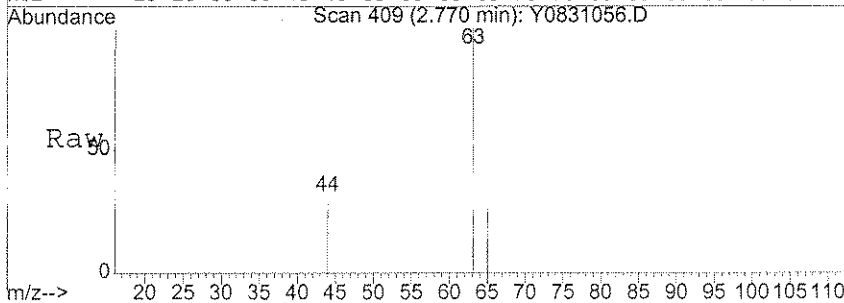
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.88	119	55		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	151		N.D.	
84) 1,4-Dichlorobenzene	10.89	146	364		N.D.	
85) n-Butylbenzene	11.28	91	189		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	456		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	53		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831056.D 8260B.M Fri Sep 01 07:42:06 2006

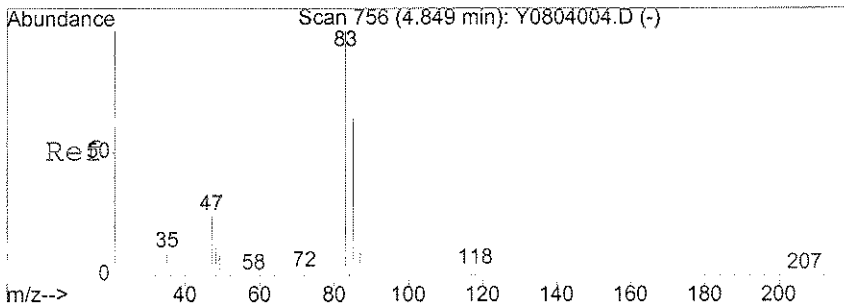
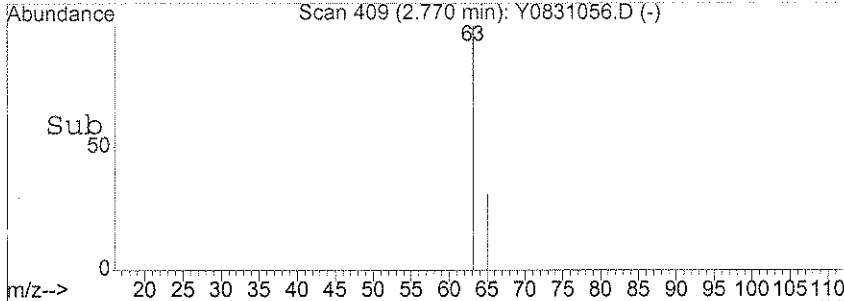
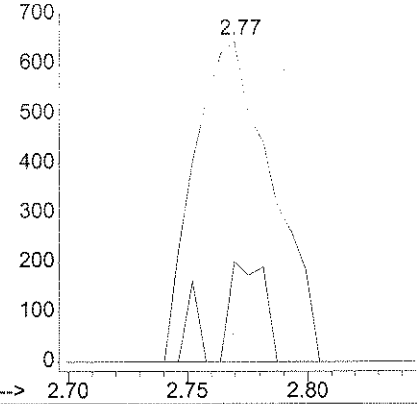


#23
 1,1-Dichloroethane
 Concen: 0.34 ug/l
 RT: 2.77 min Scan# 409
 Delta R.T. 0.01 min
 Lab File: Y0831056.D
 Acq: 1 Sep 2006 00:28

Tgt Ion: 63 Resp: 1452
 Ion Ratio Lower Upper
 63 100
 65 13.7 12.1 52.1

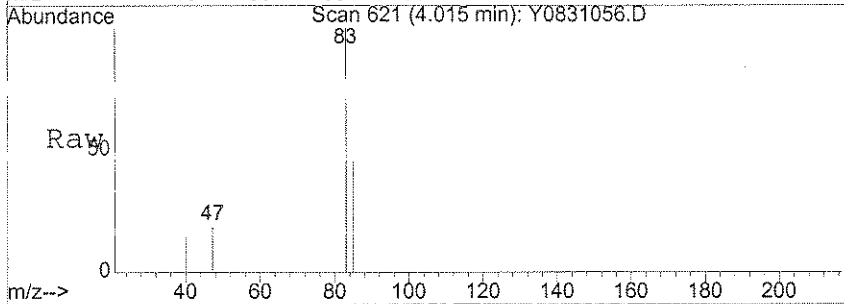


Abundance Ion 63.00 (62.70 to 63.70): Y0831056.D
 Ion 65.00 (64.70 to 65.70): Y0831056.D

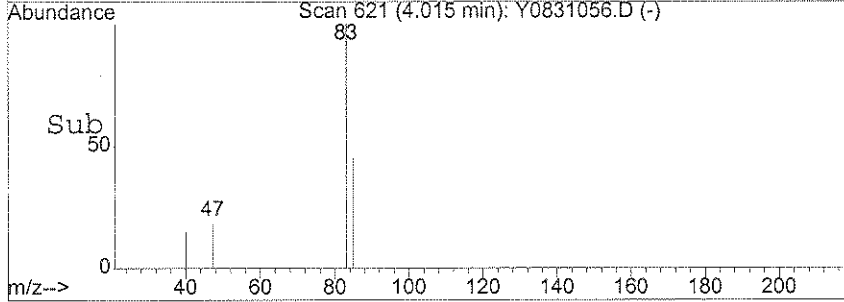
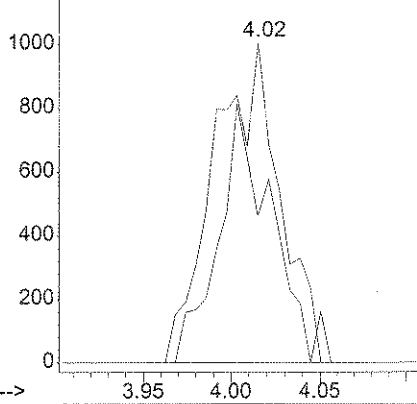


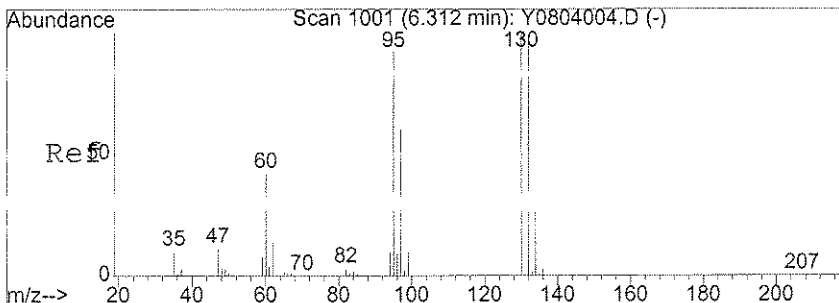
#31
 Chloroform
 Concen: 0.58 ug/l m
 RT: 4.02 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: Y0831056.D
 Acq: 1 Sep 2006 00:28

Tgt Ion: 83 Resp: 2593
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.6 84.6



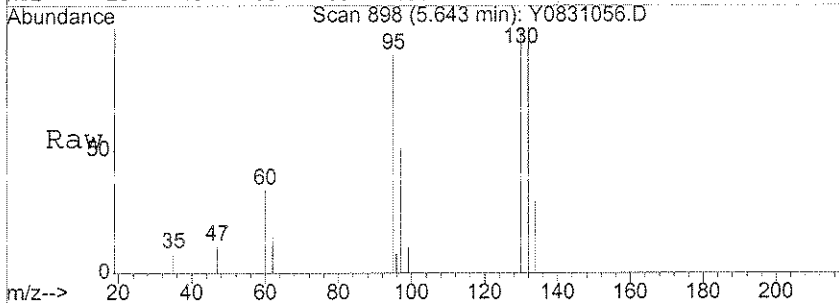
Abundance Ion 83.00 (82.70 to 83.70): Y0831056.D
 Ion 85.00 (84.70 to 85.70): Y0831056.D



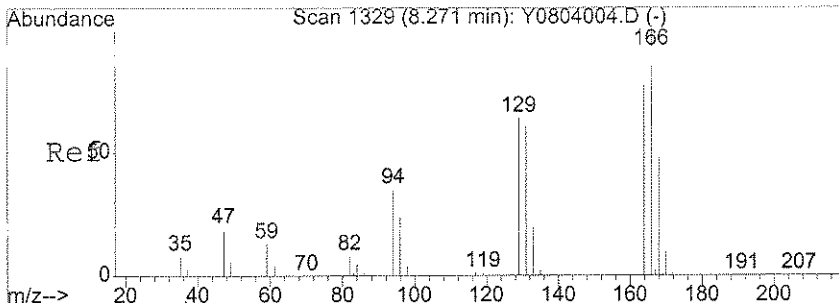
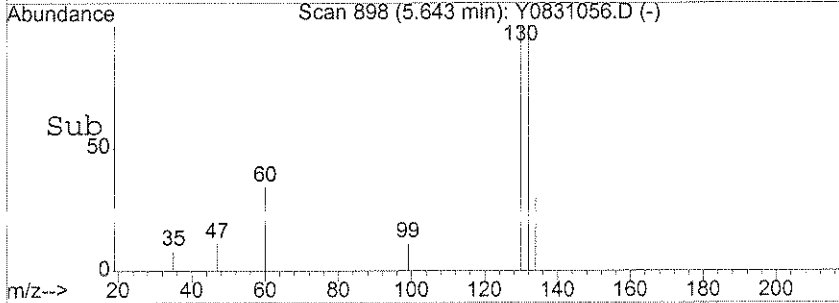
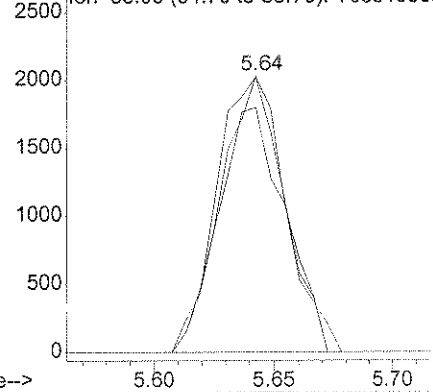


#42
 Trichloroethene
 Concen: 1.18 ug/l
 RT: 5.64 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: Y0831056.D
 Acq: 1 Sep 2006 00:28

Tgt Ion	Resp	Lower	Upper
130	3933	100	
132	96.2	76.9	116.9
95	88.0	67.3	107.3

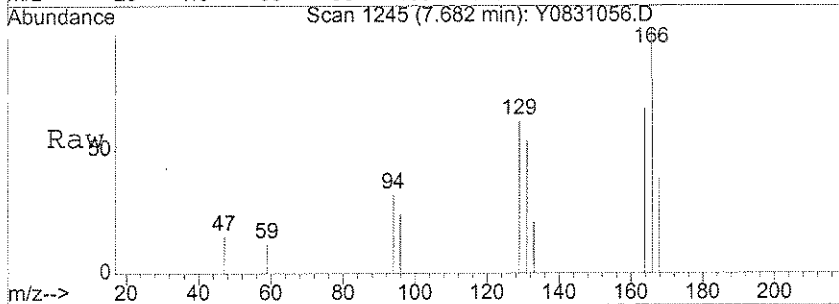


Abundance
 Ion 130.00 (129.70 to 130.70): Y083105
 Ion 132.00 (131.70 to 132.70): Y083105
 Ion 95.00 (94.70 to 95.70): Y0831056.D

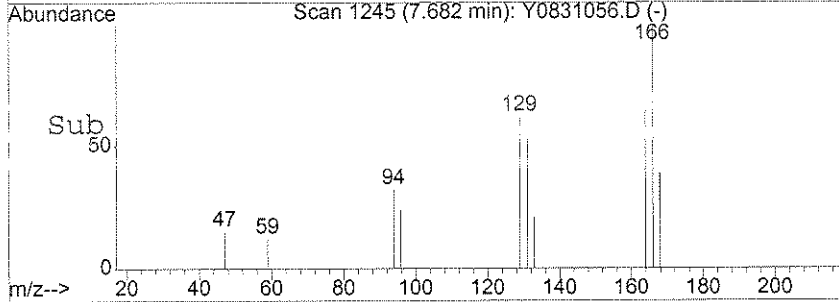
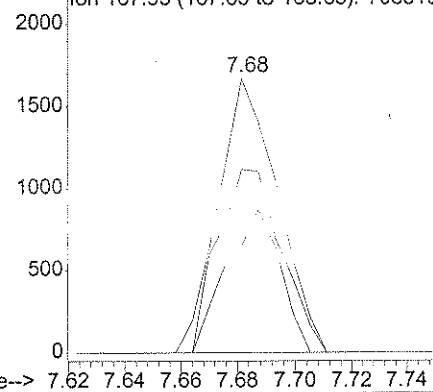


#56
 Tetrachloroethene
 Concen: 0.66 ug/l
 RT: 7.68 min Scan# 1245
 Delta R.T. -0.01 min
 Lab File: Y0831056.D
 Acq: 1 Sep 2006 00:28

Tgt Ion	Resp	Lower	Upper
166	2422	100	
164	71.4	61.7	92.5
168	46.7	38.6	57.8



Abundance
 Ion 165.95 (165.65 to 166.65): Y083105
 Ion 163.95 (163.65 to 164.65): Y083105
 Ion 167.95 (167.65 to 168.65): Y083105



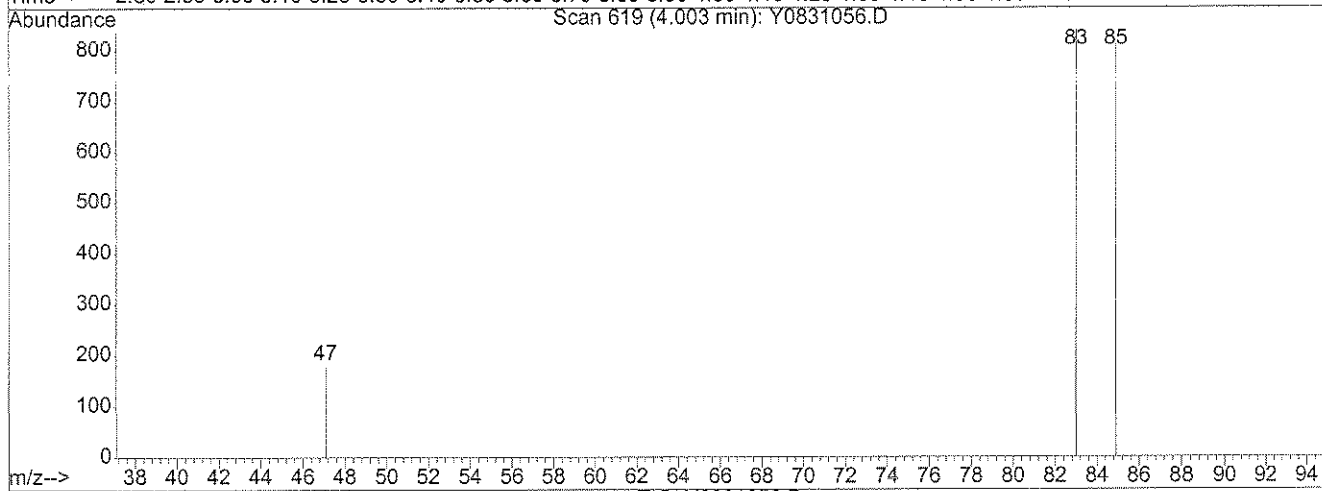
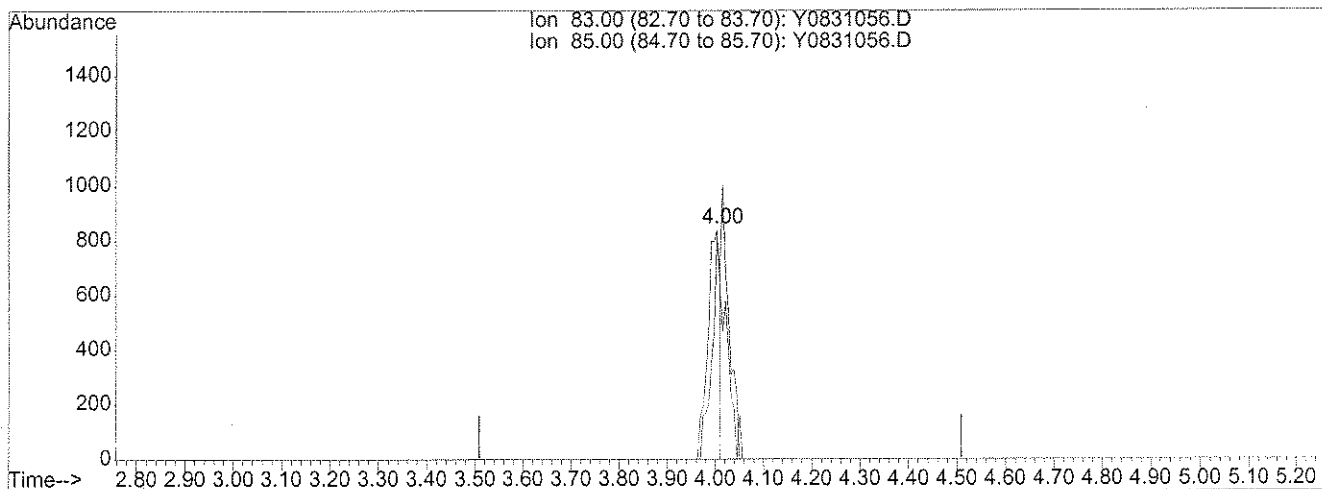
Quantitation Report (Qedit)

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831056.D
 Acq On : 1 Sep 2006 00:28
 Sample : JPL16-018 MW-19-2
 Misc : 5mL+IS/SS #6
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:41 2006

Vial: 38
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: temp.res

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Multiple Level Calibration



(31) Chloroform (C)

4.00min 0.33ug/l

response 1496

Ion	Exp%	Act%
83.00	100	100
85.00	64.60	114.10#
0.00	0.00	0.00
0.00	0.00	0.00

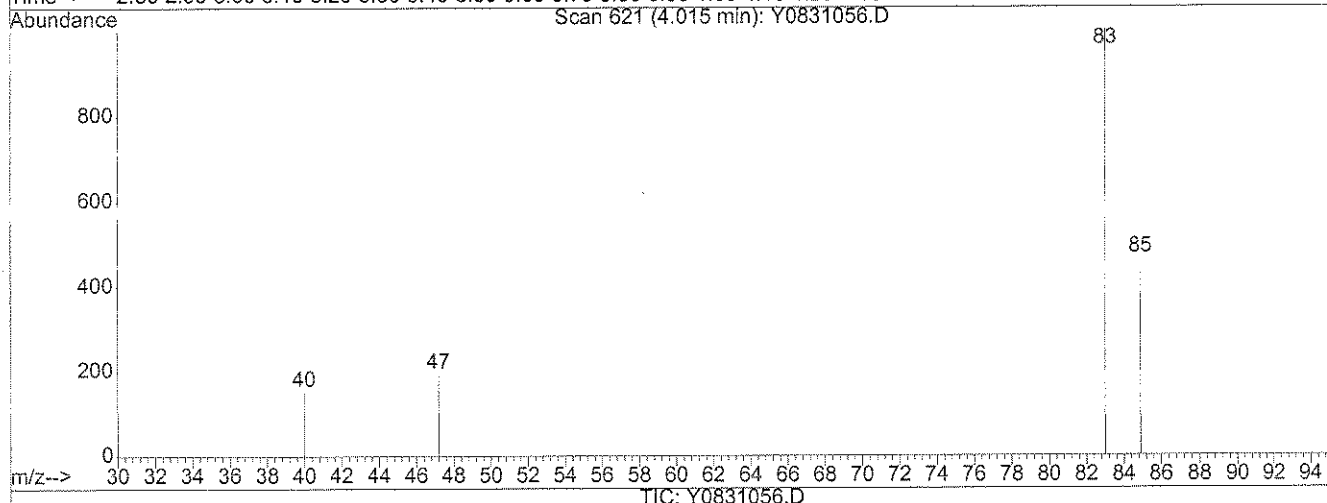
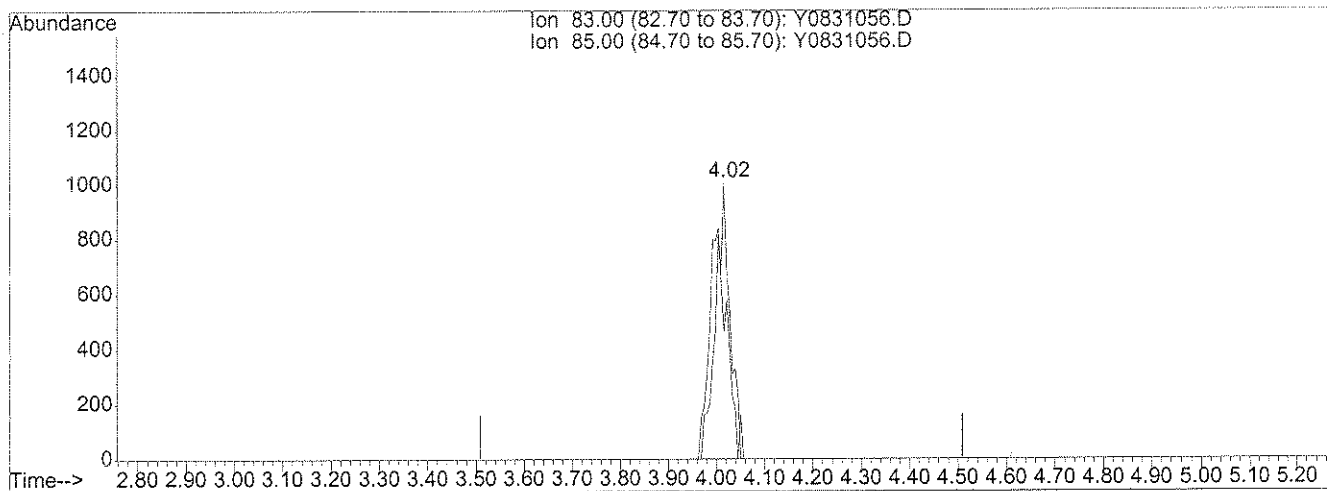
Quantitation Report (Qedit)

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831056.D
 Acq On : 1 Sep 2006 00:28
 Sample : JPL16-018 MW-19-2
 Misc : 5mL+IS/SS #6
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:41 2006

Vial: 38
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: temp.res

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Multiple Level Calibration



(31) Chloroform (C)

4.02min 0.58ug/l m

response 2593

Ion	Exp%	Act%
83.00	100	100
85.00	64.60	65.83
0.00	0.00	0.00
0.00	0.00	0.00

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831056.D Vial: 38
Acq On : 1 Sep 2006 00:28 Operator: DGA
Sample : JPL16-018 MW-19-2 Inst : yoda
Misc : 5mL+IS/SS #6 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831056.D 8260B.M Fri Sep 01 07:42:18 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-019

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831057.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 00:53

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
75-71-8	Dichlorodifluoromethane	0.50		U
74-87-3	Chloromethane	0.50		U
75-01-4	Vinyl chloride	0.50		U
74-83-9	Bromomethane	0.50		U
75-00-3	Chloroethane	0.50		U
75-69-4	Trichlorofluoromethane	0.50		U
75-35-4	1,1-Dichloroethene	0.50		U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50		U
75-09-2	Methylene chloride	0.50		U
1634-04-4	Methyl tert-butyl ether	0.50		U
156-60-5	trans-1,2-Dichloroethene	0.50		U
75-34-3	1,1-Dichloroethane	0.50		U
594-20-7	2,2-Dichloropropane	0.50		U
156-59-2	cis-1,2-Dichloroethene	0.50		U
78-93-3	2-Butanone	5.0		U
74-97-5	Bromochloromethane	0.50		U
67-66-3	Chloroform	0.50		U
71-55-6	1,1,1-Trichloroethane	0.50		U
56-23-5	Carbon tetrachloride	0.50		U
563-58-6	1,1-Dichloropropene	0.50		U
71-43-2	Benzene	0.50		U
107-06-2	1,2-Dichloroethane	0.50		U
79-01-6	Trichloroethene	0.50		U
78-87-5	1,2-Dichloropropane	0.50		U
74-95-3	Dibromomethane	0.50		U
75-27-4	Bromodichloromethane	0.50		U
10061-01-	cis-1,3-Dichloropropene	0.50		U
108-10-1	4-Methyl-2-pentanone	5.0		U
108-88-3	Toluene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL16-019

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831057.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 00:53

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-19-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL16
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-019
 Lab File ID: Y0831057.D
 Date Collected: 08/18/2006
 Date/Time Analyzed: 09/01/2006 00:53
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-019

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831057.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

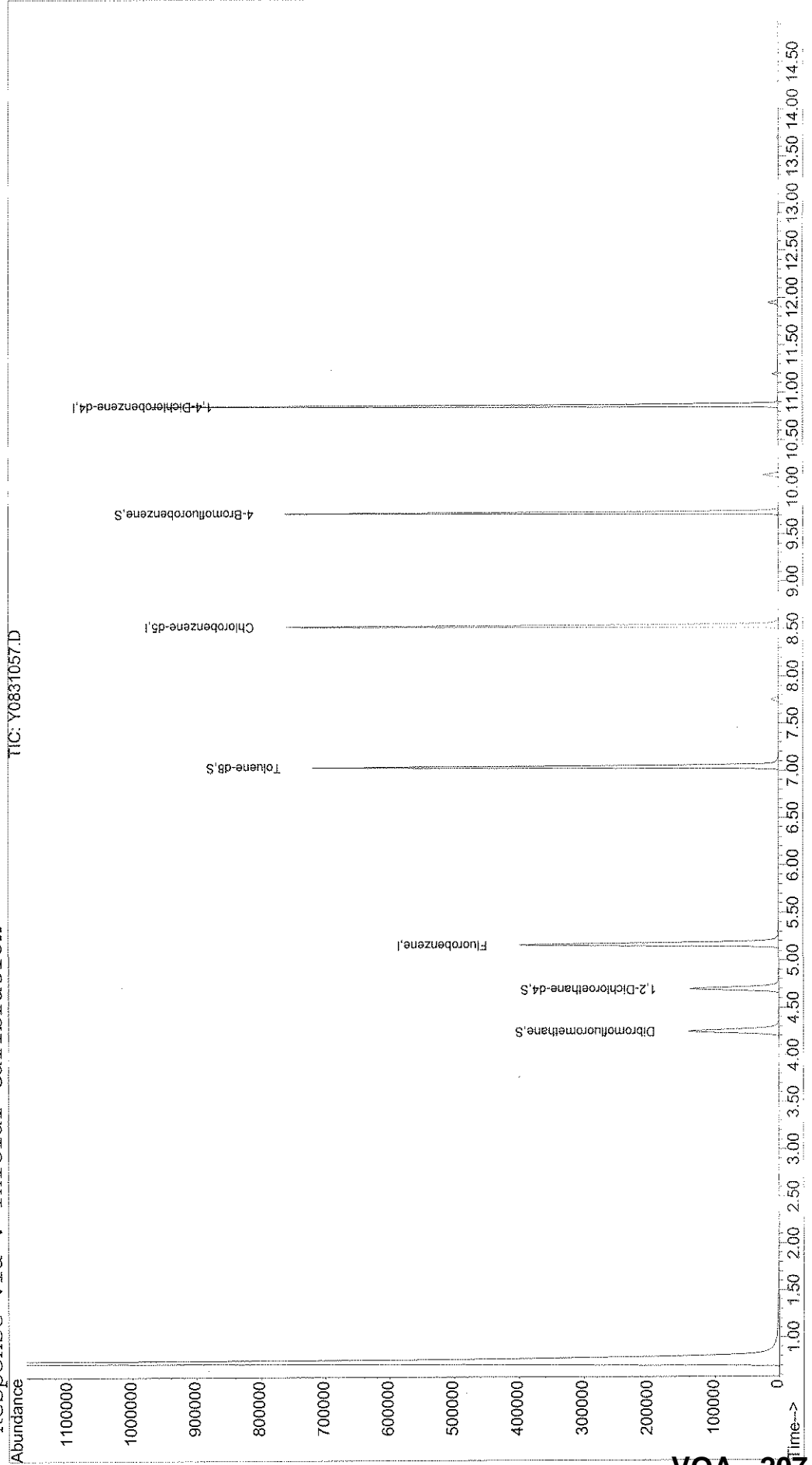
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831057.D Vial: 39
Acq On : 1 Sep 2006 00:53 Operator: DGA
Sample : JPL16-019 MW-19-1 Inst : yoda
Misc : 5mL+IS/SS #6 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 7:43 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831057.D
 Acq On : 1 Sep 2006 00:53
 Sample : JPL16-019 MW-19-1
 Misc : 5mL+IS/SS #6
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:43 2006

Vial: 39
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	450878	50.00	ug/l	0.00 108.95%
50) Chlorobenzene-d5	8.53	82	198527	50.00	ug/l	0.00 107.70%
69) 1,4-Dichlorobenzene-d4	10.87	152	250861	50.00	ug/l	0.00 106.54%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	126518	51.58	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	122298	53.05	ug/l	0.00
51) Toluene-d8	7.04	98	451733	49.83	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	183961	51.01	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831057.D 8260B.M Fri Sep 01 07:43:32 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831057.D
 Acq On : 1 Sep 2006 00:53
 Sample : JPL16-019 MW-19-1
 Misc : 5mL+IS/SS #6
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:43 2006

Vial: 39
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.76	78	62		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.53	91	842		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.74	105	72		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831057.D 8260B.M Fri Sep 01 07:43:32 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831057.D
 Acq On : 1 Sep 2006 00:53
 Sample : JPL16-019 MW-19-1
 Misc : 5mL+IS/SS #6
 MS Integration Params: rteint.p
 Quant Time: Sep 1 7:43 2006

Vial: 39
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.72	105	57		N.D.	
81) sec-butylbenzene	10.72	105	57		N.D.	
82) 4-Isopropyltoluene	0.00	119	0		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	63		N.D.	
85) n-Butylbenzene	11.28	91	127		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0831057.D 8260B.M Fri Sep 01 07:43:33 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831057.D Vial: 39
Acq On : 1 Sep 2006 00:53 Operator: DGA
Sample : JPL16-019 MW-19-1 Inst : yoda
Misc : 5mL+IS/SS #6 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831057.D 8260B.M Fri Sep 01 07:43:37 2006

Miscellaneous Inorganic Data

JPL16

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: LAUCKS TESTING LABS, INC.

Lab Code: LAUCKS

SDG No.: JPL16

Client Identification	Lab Sample Work Order Number
MW-17-4	JPL16-001DL
MW-17-3	JPL16-002DL
MW-17-3MS	JPL16-002MS
MW-17-3MSD	JPL16-002MSD
MW-17-2	JPL16-003DL
EB-3-8/17/06	JPL16-004
MW-18-5	JPL16-005DL
MW-18-4	JPL16-006DL
MW-18-3	JPL16-007DL
MW-18-2	JPL16-008DL
MW-3-4	JPL16-010DL
MW-3-3	JPL16-011DL
MW-3-3MS	JPL16-011MS
MW-3-3MSD	JPL16-011MSD
MW-3-2	JPL16-012DL
EB-4-8/18/06	JPL16-013
MW-19-5	JPL16-015DL
MW-19-4	JPL16-016DL
MW-19-3	JPL16-017DL
MW-19-2	JPL16-018DL
MW-19-1	JPL16-019DL

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: *Jennifer Penner*

Name: Jennifer Penner

Date: 9-8-06

Title: Inorganics Lead

Inorganic Analysis Data Sheets

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-17-4 **Date/Time Collected:** 08/17/2006 08:05
Lab Sample ID: JPL16-001 **Date/Time Received:** 08/18/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-17-3 **Date/Time Collected:** 08/17/2006 08:37
Lab Sample ID: JPL16-002 **Date/Time Received:** 08/18/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	61		4.0	2.2	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-17-2 **Date/Time Collected:** 08/17/2006 09:26
Lab Sample ID: JPL16-003 **Date/Time Received:** 08/18/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	13		4.0	2.2	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-18-5 **Date/Time Collected:** 08/17/2006 10:39
Lab Sample ID: JPL16-005 **Date/Time Received:** 08/18/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-18-4 Date/Time Collected: 08/17/2006 11:04
Lab Sample ID: JPL16-006 Date/Time Received: 08/18/2006 08:30
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	10		2.0	1.1	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-18-3 Date/Time Collected: 08/17/2006 11:32
Lab Sample ID: JPL16-007 Date/Time Received: 08/18/2006 08:30
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	28		4.0	2.2	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-18-2 **Date/Time Collected:** 08/17/2006 12:00
Lab Sample ID: JPL16-008 **Date/Time Received:** 08/18/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client:	Battelle	Project:	JPL Groundwater Monitoring
SDG Number:	JPL16		
Sample Number:	MW-3-4	Date/Time Collected:	08/18/2006 07:57
Lab Sample ID:	JPL16-010	Date/Time Received:	08/19/2006 13:20
Method:	E314.0	Unit:	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-3-3 **Date/Time Collected:** 08/18/2006 08:25
Lab Sample ID: JPL16-011 **Date/Time Received:** 08/19/2006 13:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-3-2 **Date/Time Collected:** 08/18/2006 09:14
Lab Sample ID: JPL16-012 **Date/Time Received:** 08/19/2006 13:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	17		2.0	1.1	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: EB-4-8/18/06 **Date/Time Collected:** 08/18/2006 09:02
Lab Sample ID: JPL16-013 **Date/Time Received:** 08/19/2006 13:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.54	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-19-5 **Date/Time Collected:** 08/18/2006 10:42
Lab Sample ID: JPL16-015 **Date/Time Received:** 08/19/2006 13:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-19-4 **Date/Time Collected:** 08/18/2006 11:02
Lab Sample ID: JPL16-016 **Date/Time Received:** 08/19/2006 13:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-19-3 **Date/Time Collected:** 08/18/2006 11:20
Lab Sample ID: JPL16-017 **Date/Time Received:** 08/19/2006 13:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL16
Sample Number: MW-19-2 **Date/Time Collected:** 08/18/2006 11:36
Lab Sample ID: JPL16-018 **Date/Time Received:** 08/19/2006 13:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	5.1		4.0	2.2	09/05/2006	09/06/2006	R010160

Laucks Testing Laboratories, Inc.

Final Results

Client:	Battelle	Project:	JPL Groundwater Monitoring
SDG Number:	JPL16		
Sample Number:	MW-19-1	Date/Time Collected:	08/18/2006 11:52
Lab Sample ID:	JPL16-019	Date/Time Received:	08/19/2006 13:20
Method:	E314.0	Unit:	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/05/2006	09/06/2006	R010160

Metals Data

JPL16

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

SOW No.: _____

Sample No.	Lab Sample ID
MW-17-4	JPL16-001
MW-17-3	JPL16-002
MW-17-3MS	JPL16-002MS
MW-17-3MSD	JPL16-002MSD
MW-17-2	JPL16-003
EB-3-8/17/06	JPL16-004
MW-18-4	JPL16-006
MW-18-3	JPL16-007
MW-18-2	JPL16-008
MW-3-4	JPL16-010
MW-3-3	JPL16-011
MW-3-3MS	JPL16-011MS
MW-3-3MSD	JPL16-011MSD
MW-3-2	JPL16-012
EB-4-8/18/06	JPL16-013

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No NO

If yes-was raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is technically complete, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Bill Ambacher Name: Bill Ambacher

Date: 9/8/06 Title: Chemist Manager

Metals Analysis Data Sheets

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-17-4

Lab Name: Laucks LaboratoriesContract: JPL Groundwater MonitorinLab Code: LAUCKSSDG No.: JPL16Matrix (soil/water): WaterLab Sample ID: JPL16-001Level (low/med): LOWDate Received: 08/18/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.89				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____Color After: Colorless Clarity After: Clear Artifacts: NoComment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-17-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-002

Level (low/med): LOW

Date Received: 08/18/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.99				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-17-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-003

Level (low/med): LOW

Date Received: 08/18/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.94				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-3-8/17/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-004

Level (low/med): LOW

Date Received: 08/18/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.65				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-18-4

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-006

Level (low/med): LOW

Date Received: 08/18/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.11				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-18-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-007

Level (low/med): LOW

Date Received: 08/18/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	5.67				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-18-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-008

Level (low/med): LOW

Date Received: 08/18/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.80				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-3-4

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-010

Level (low/med): LOW

Date Received: 08/19/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.47				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-3-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-011

Level (low/med): LOW

Date Received: 08/19/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.99				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-3-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-012

Level (low/med): LOW

Date Received: 08/19/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.80				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-4-8/18/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL16

Matrix (soil/water): Water

Lab Sample ID: JPL16-013

Level (low/med): LOW

Date Received: 08/19/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.06				R010289

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-17-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-001
 Lab File ID: Y0831043.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-17-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-002
 Lab File ID: Y0831044.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-17-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831045.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-004
 Lab File ID: Y0831040.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-18-5

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831046.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-18-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-006
 Lab File ID: Y0831047.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-18-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-007
 Lab File ID: Y0831048.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-18-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-008

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831049.D

Level: (LOW/MED) _____

Date Collected: 08/18/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-3-8/17/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-009
 Lab File ID: Y0831039.D
 Date Collected: 08/18/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-3-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-010
 Lab File ID: Y0831050.D
 Date Collected: 08/19/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-3-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831051.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-3-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-012
 Lab File ID: Y0831052.D
 Date Collected: 08/19/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831042.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-4-8/18/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-014
 Lab File ID: Y0831041.D
 Date Collected: 08/19/2006
 Date Analyzed: 08/31/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-5

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-015

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831053.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-4

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831054.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 08/31/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL16
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL16-017
 Lab File ID: Y0831055.D
 Date Collected: 08/19/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-018

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831056.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-19-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL16

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL16-019

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831057.D

Level: (LOW/MED) _____

Date Collected: 08/19/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

SAMPLE DATA

SDG # JPL17

Volatiles Analysis

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-001

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831058.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 01:17

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL17-001
 Lab File ID: Y0831058.D
 Date Collected: 08/21/2006
 Date/Time Analyzed: 09/01/2006 01:17
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.25	J
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-001

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831058.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 01:17

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-5

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL17-001
 Lab File ID: Y0831058.D
 Date Collected: 08/22/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

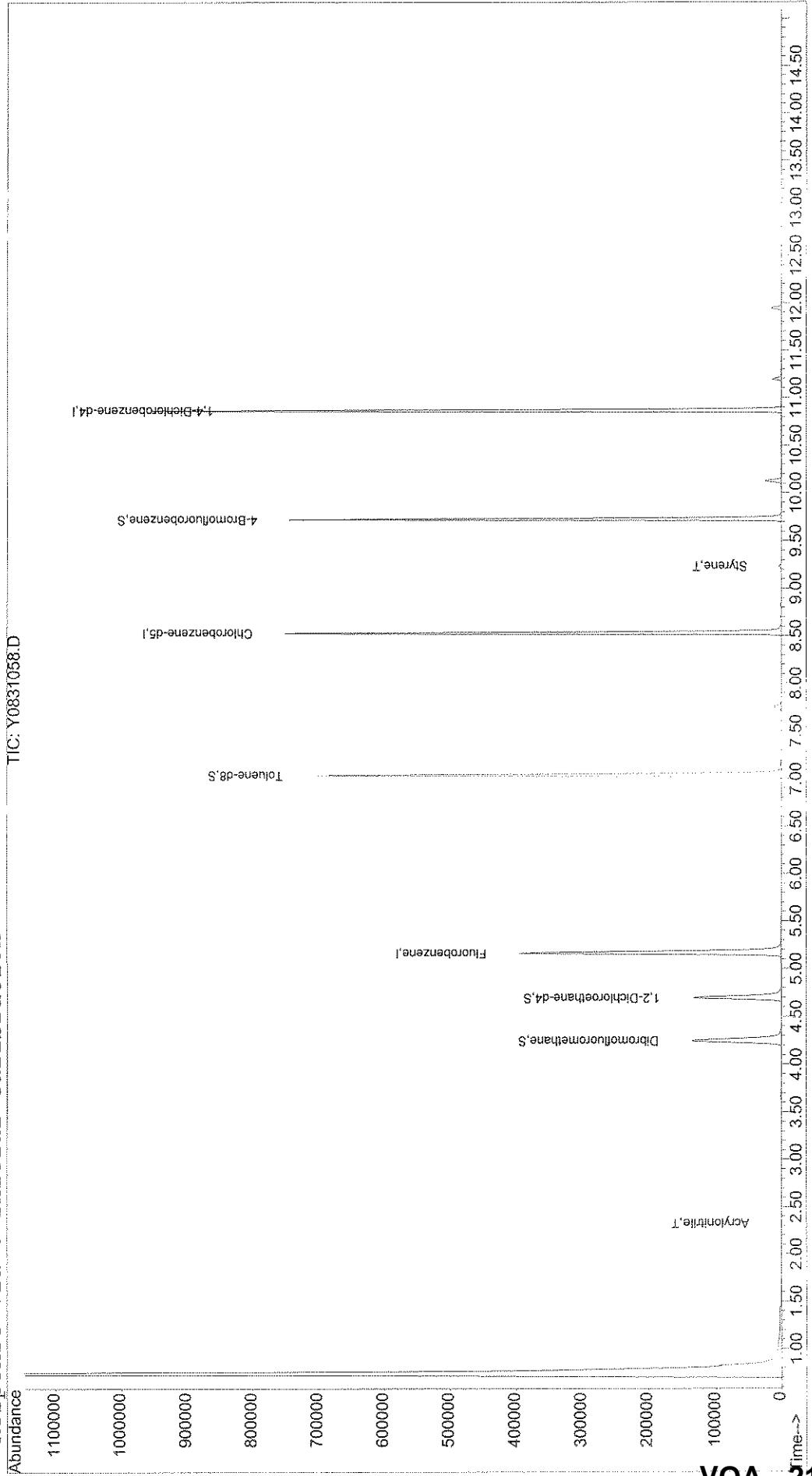
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831058.D Vial: 40
Acq On : 1 Sep 2006 1:17 Operator: DGA
Sample : JPL17-001 MW-20-5 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 8:18 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831058.D Vial: 40
 Acq On : 1 Sep 2006 1:17 Operator: DGA
 Sample : JPL17-001 MW-20-5 Inst : yoda
 Misc : 5mL+IS/SS #3 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Sep 1 8:18 2006 Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	445758	50.00	ug/l	0.00	107.71%
50) Chlorobenzene-d5	8.53	82	199250	50.00	ug/l	0.00	108.09%
69) 1,4-Dichlorobenzene-d4	10.87	152	247107	50.00	ug/l	0.00	104.95%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	127040	52.39	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	122471	53.74	ug/l	0.00	
51) Toluene-d8	7.04	98	448447	49.29	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	186051	52.37	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	76	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.86	76	913	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	2.33	53	773	5.16	ug/l #	77
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

DM 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831058.D 8260B.M Fri Sep 01 08:18:45 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831058.D
 Acq On : 1 Sep 2006 1:17
 Sample : JPL17-001 MW-20-5
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 8:18 2006

Vial: 40
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	813		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	880		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.82	106	423		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.23	104	2048	0.25	ug/l	98
67) Bromoform	9.39	173	133		N.D.	
68) Isopropylbenzene	9.72	105	318		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Den 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0831058.D 8260B.M Fri Sep 01 08:18:45 2006

Quantitation Report

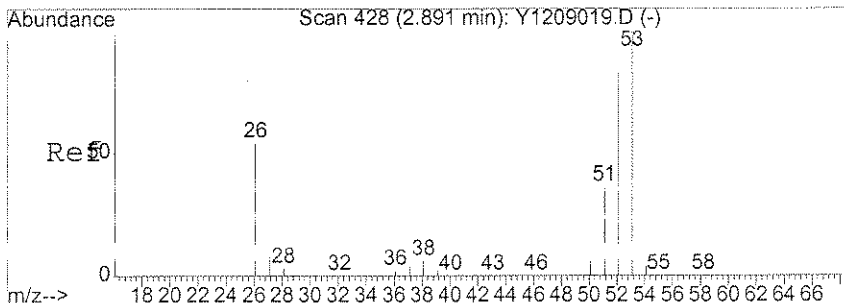
Data File : Q:\MSDCHEM\1\DATA\083106\Y0831058.D
 Acq On : 1 Sep 2006 1:17
 Sample : JPL17-001 MW-20-5
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 1 8:18 2006

Vial: 40
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

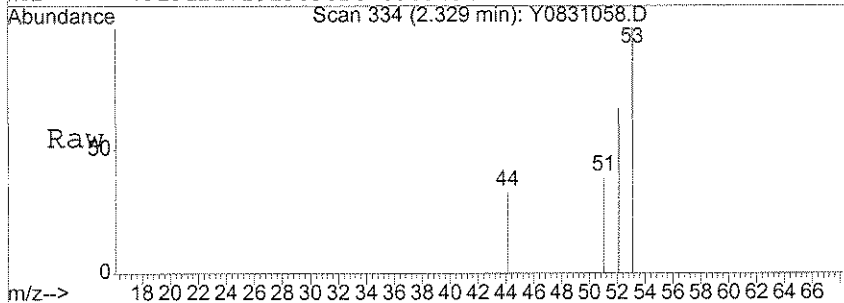
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	53		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	176		N.D.	
81) sec-butylbenzene	10.55	105	176		N.D.	
82) 4-Isopropyltoluene	10.88	119	58		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.28	91	68		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	194		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

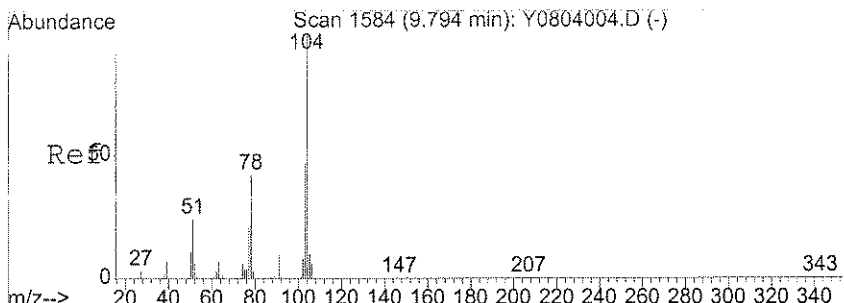
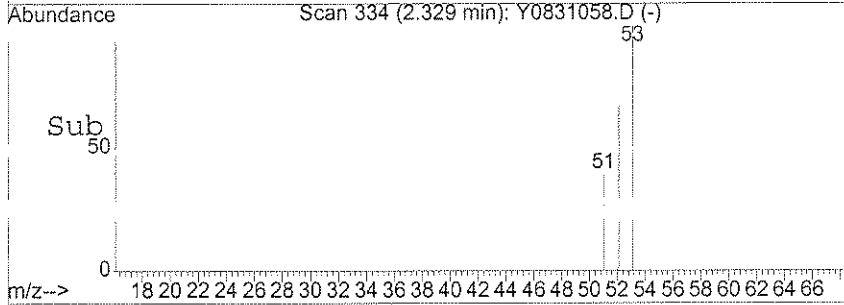
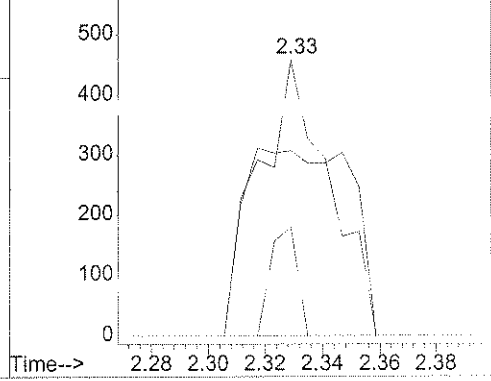


#21
 Acrylonitrile
 Concen: 5.16 ug/l
 RT: 2.33 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: Y0831058.D
 Acq: 1 Sep 2006 1:17

Tgt Ion	Resp	Lower	Upper
53	773		
52	102.2	67.6	101.4#
51	15.3	27.2	40.8#

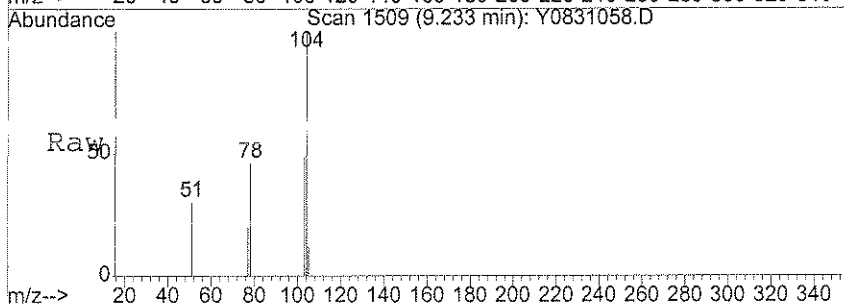


Abundance Ion 53.05 (52.75 to 53.75): Y0831058.D
 Ion 52.05 (51.75 to 52.75): Y0831058.D
 Ion 51.05 (50.75 to 51.75): Y0831058.D

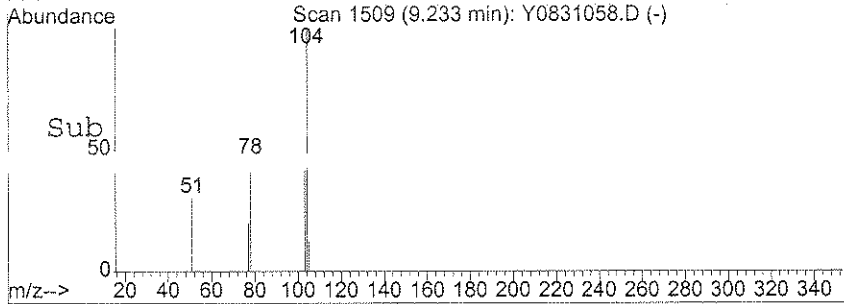
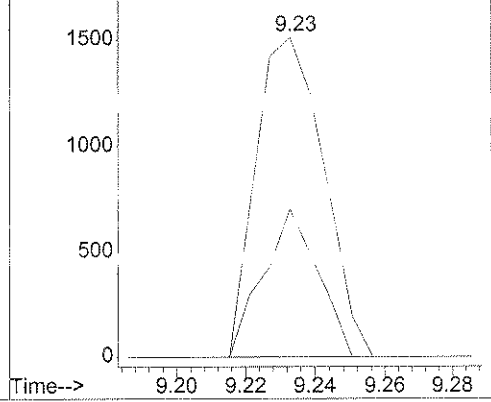


#66
 Styrene
 Concen: 0.25 ug/l
 RT: 9.23 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: Y0831058.D
 Acq: 1 Sep 2006 1:17

Tgt Ion	Resp	Lower	Upper
104	2048		
78	37.5	18.5	58.5



Abundance Ion 104.00 (103.70 to 104.70): Y0831058.D
 Ion 78.00 (77.70 to 78.70): Y0831058.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831058.D Vial: 40
Acq On : 1 Sep 2006 1:17 Operator: DGA
Sample : JPL17-001 MW-20-5 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831058.D 8260B.M Fri Sep 01 08:18:52 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831059.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 01:42

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL17-002
 Lab File ID: Y0831059.D
 Date Collected: 08/21/2006
 Date/Time Analyzed: 09/01/2006 01:42
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010156

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831059.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 01:42

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-4

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831059.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

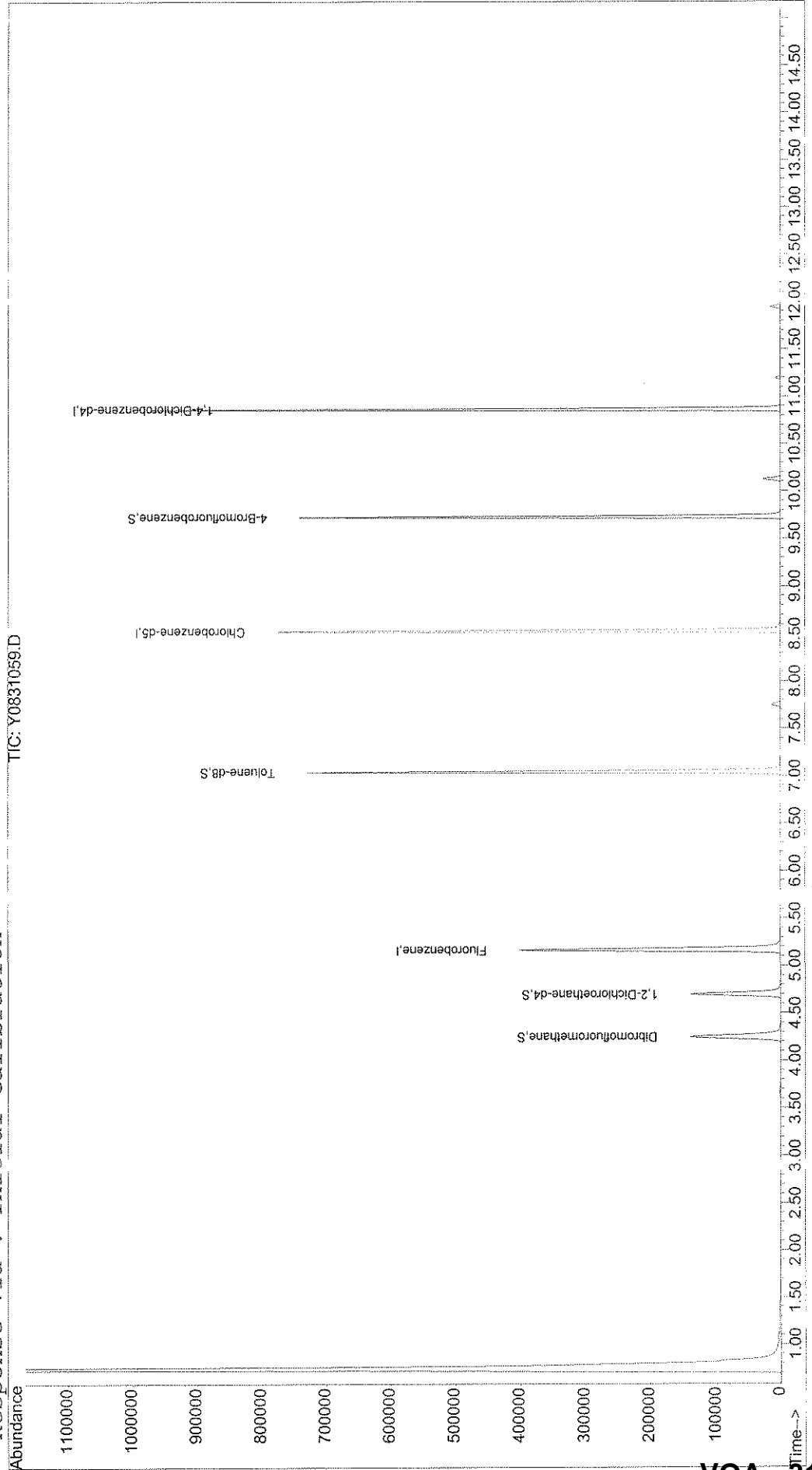
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831059.D Vial: 41
Acq On : 1 Sep 2006 1:42 Operator: DGA
Sample : JPL17-002 MW-20-4 Inst : Yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 8:19 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 31

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831059.D
 Acq On : 1 Sep 2006 1:42
 Sample : JPL17-002 MW-20-4
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 8:19 2006

Vial: 41
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	449501	50.00	ug/l	0.00 108.62%
50) Chlorobenzene-d5	8.53	82	199589	50.00	ug/l	0.00 108.27%
69) 1,4-Dichlorobenzene-d4	10.87	152	250400	50.00	ug/l	0.00 106.35%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	125770	51.44	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	123863	53.89	ug/l	0.00
51) Toluene-d8	7.04	98	459099	50.37	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	186886	51.92	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	735	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0831059.D 8260B.M Fri Sep 01 08:19:29 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831059.D
 Acq On : 1 Sep 2006 1:42
 Sample : JPL17-002 MW-20-4
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 8:19 2006

Vial: 41
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	277		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	83		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.82	106	85		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	219		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	61		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831059.D 8260B.M Fri Sep 01 08:19:30 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831059.D
 Acq On : 1 Sep 2006 1:42
 Sample : JPL17-002 MW-20-4
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 8:19 2006

Vial: 41
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.86	119	159		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.28	91	63		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	57		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0831059.D 8260B.M Fri Sep 01 08:19:30 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\083106\Y0831059.D Vial: 41
Acq On : 1 Sep 2006 1:42 Operator: DGA
Sample : JPL17-002 MW-20-4 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0831059.D 8260B.M Fri Sep 01 08:19:36 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901013.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 11:55

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901013.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 11:55

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901013.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 11:55

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901013.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

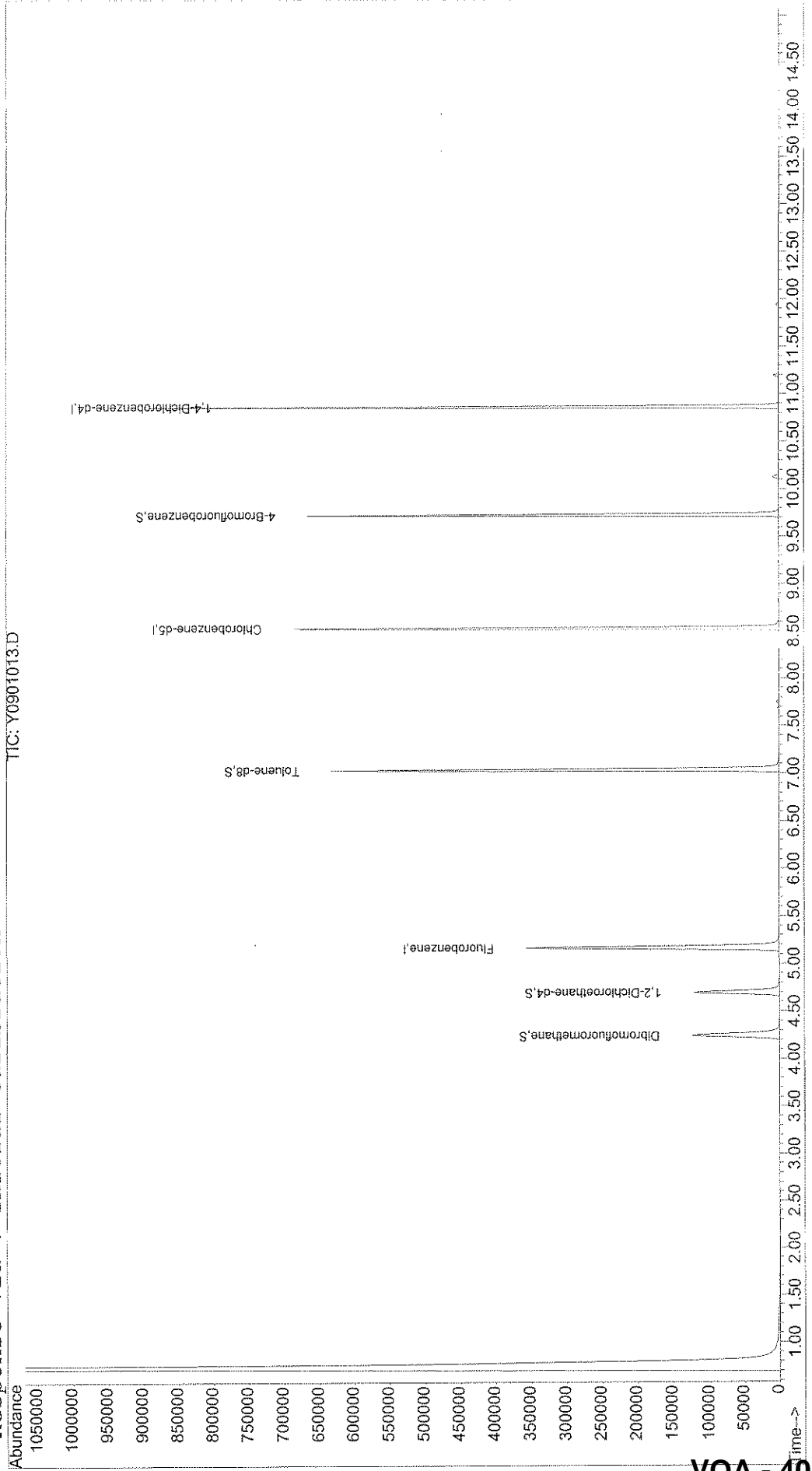
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901013.D Vial: 25
Acq On : 1 Sep 2006 11:55 Operator: LNW
Sample : JPL17-003 MW-20-3 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:18 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 40

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901013.D
 Acq On : 1 Sep 2006 11:55
 Sample : JPL17-003 MW-20-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:18 2006

Vial: 25
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	400024	50.00	ug/l	0.00 96.66%
50) Chlorobenzene-d5	8.53	82	176587	50.00	ug/l	0.00 95.79%
69) 1,4-Dichlorobenzene-d4	10.87	152	222563	50.00	ug/l	0.00 94.52%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	113356	52.09	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	108461	53.03	ug/l	0.00
51) Toluene-d8	7.04	98	402037	49.86	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	164988	51.57	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.86	76	64	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901013.D 8260B.M Tue Sep 05 07:18:20 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901013.D
 Acq On : 1 Sep 2006 11:55
 Sample : JPL17-003 MW-20-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:18 2006

Vial: 25
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.58	43	68		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.12	92	222		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.68	166	715		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	300		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	504		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.23	104	426		N.D.	
67) Bromoform	9.39	173	56		N.D.	
68) Isopropylbenzene	9.60	105	72		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901013.D 8260B.M Tue Sep 05 07:18:20 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901013.D
 Acq On : 1 Sep 2006 11:55
 Sample : JPL17-003 MW-20-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:18 2006

Vial: 25
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	127		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	56		N.D.	
78) 4-Chlorotoluene	10.17	91	95		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	158		N.D.	
81) sec-butylbenzene	10.72	105	223		N.D.	
82) 4-Isopropyltoluene	10.88	119	305		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	176		N.D.	
85) n-Butylbenzene	11.28	91	432		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	162		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0901013.D 8260B.M Tue Sep 05 07:18:20 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901013.D Vial: 25
Acq On : 1 Sep 2006 11:55 Operator: LNW
Sample : JPL17-003 MW-20-3 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901013.D 8260B.M Tue Sep 05 07:19:18 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-004
 Lab File ID: Y0901014.D
 Date Collected: 08/21/2006
 Date/Time Analyzed: 09/01/2006 12:20
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.44	J
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-004
 Lab File ID: Y0901014.D
 Date Collected: 08/21/2006
 Date/Time Analyzed: 09/01/2006 12:20
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901014.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 12:20

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-004
 Lab File ID: Y0901014.D
 Date Collected: 08/22/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

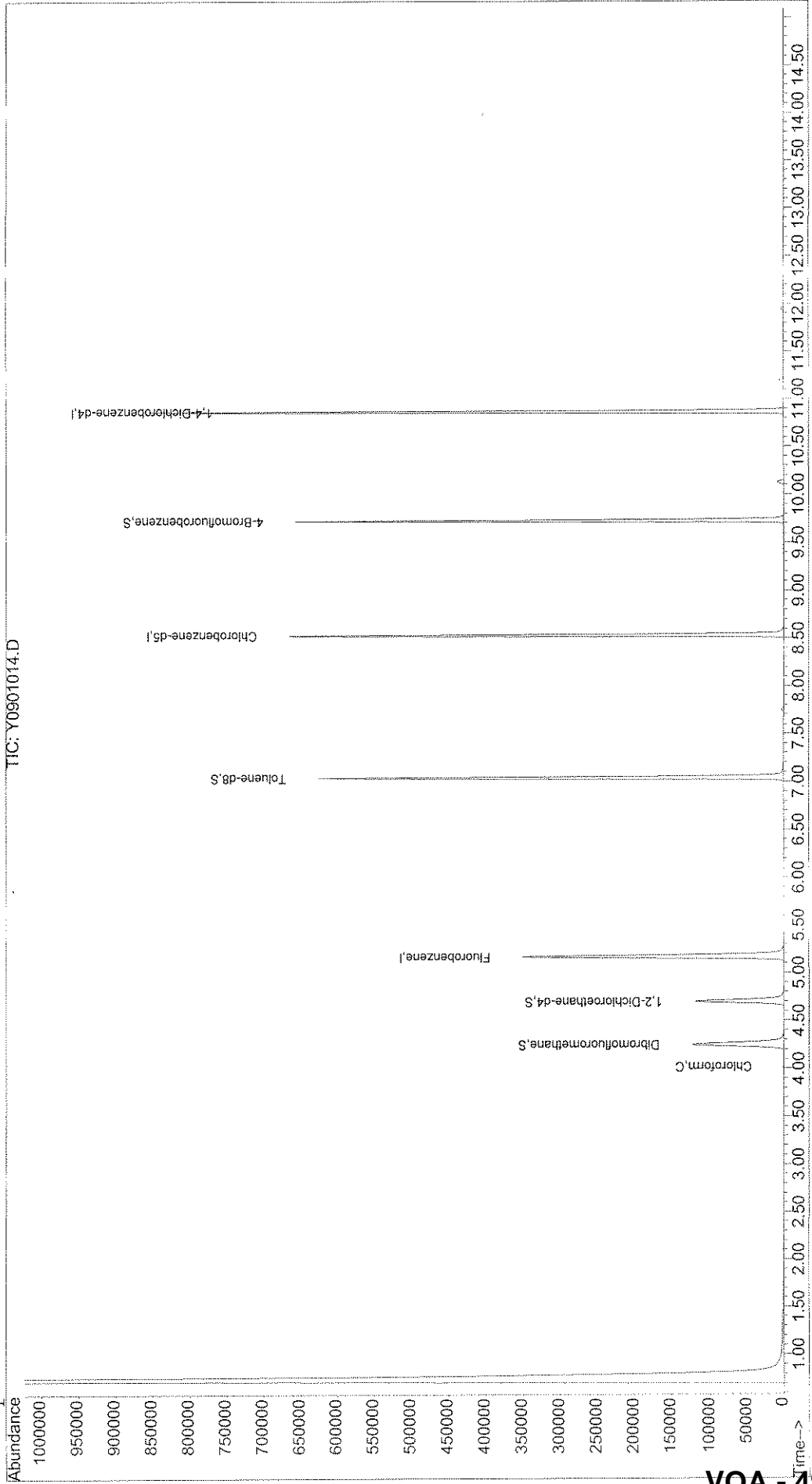
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901014.D Vial: 26
Acq On : 1 Sep 2006 12:20 Operator: LNW
Sample : JPL17-004 MW-20-2 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:20 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901014.D
 Acq On : 1 Sep 2006 12:20
 Sample : JPL17-004 MW-20-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:20 2006

Vial: 26
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.17	96	398168	50.00	ug/l	0.00 96.21%
50) Chlorobenzene-d5	8.53	82	177417	50.00	ug/l	0.00 96.24%
69) 1,4-Dichlorobenzene-d4	10.87	152	218824	50.00	ug/l	0.00 92.94%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	113513	52.41	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	111033	54.54	ug/l	0.00
51) Toluene-d8	7.04	98	401689	49.58	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	162023	51.51	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	63	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901014.D 8260B.M Tue Sep 05 07:20:44 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901014.D
 Acq On : 1 Sep 2006 12:20
 Sample : JPL17-004 MW-20-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:20 2006

Vial: 26
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.02	83	1772	0.44	ug/l ✓	90
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.76	78	68		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	147		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	189		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	141		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	55		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

OK 9/5/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901014.D
 Acq On : 1 Sep 2006 12:20
 Sample : JPL17-004 MW-20-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint:p
 Quant Time: Sep 5 7:20 2006

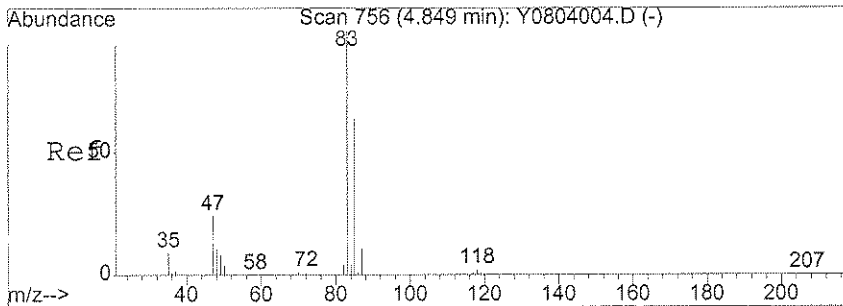
Vial: 26
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

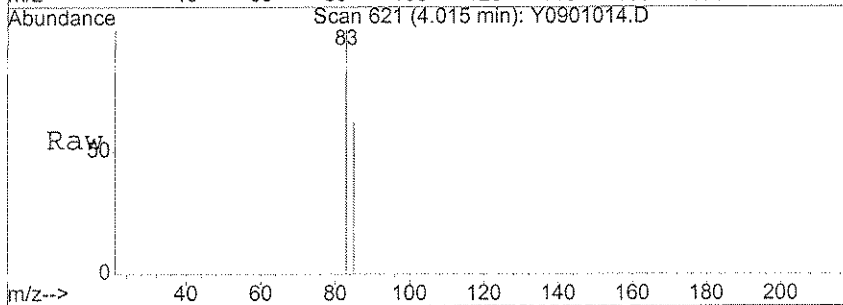
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	268		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	61		N.D.	
78) 4-Chlorotoluene	10.17	91	56		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.73	105	75		N.D.	
81) sec-butylbenzene	10.73	105	75		N.D.	
82) 4-Isopropyltoluene	10.88	119	295		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	55		N.D.	
85) n-Butylbenzene	11.28	91	216		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	69		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	144		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0901014.D 8260B.M Tue Sep 05 07:20:45 2006

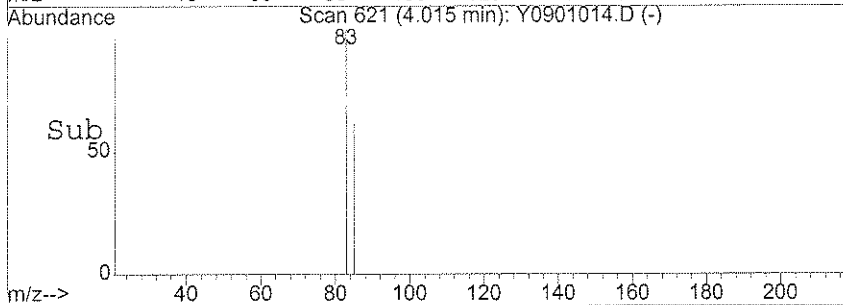
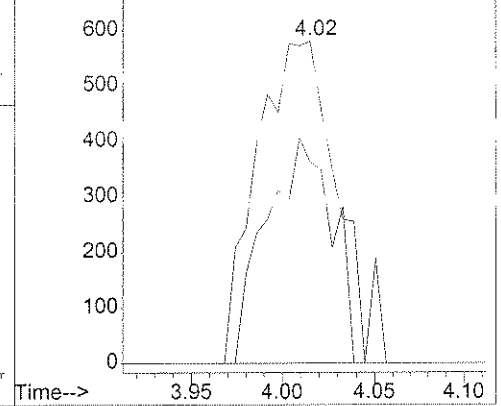


#31
 Chloroform
 Concen: 0.44 ug/l
 RT: 4.02 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: Y0901014.D
 Acq: 1 Sep 2006 12:20

Tgt Ion: 83 Resp: 1772
 Ion Ratio Lower Upper
 83 100
 85 57.1 44.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): Y0901014.D
 Ion 85.00 (84.70 to 85.70): Y0901014.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901014.D Vial: 26
Acq On : 1 Sep 2006 12:20 Operator: LNW
Sample : JPL17-004 MW-20-2 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901014.D 8260B.M Tue Sep 05 07:20:49 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901015.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 12:45

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901015.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 12:45

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-20-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901015.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 12:45

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/kg)	ug/L
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-005
 Lab File ID: Y0901015.D
 Date Collected: 08/22/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

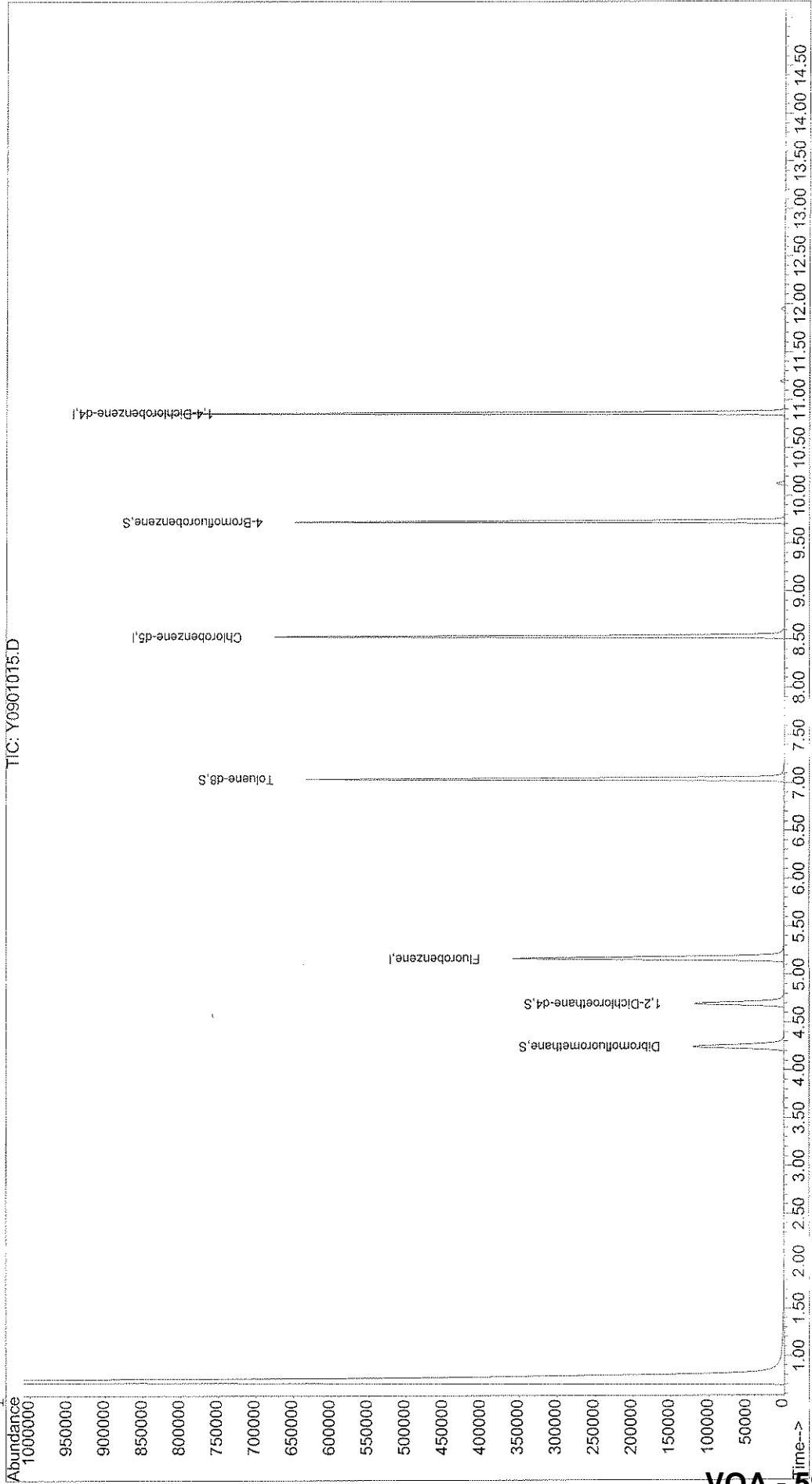
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901015.D Vial: 27
Acq On : 1 Sep 2006 12:45 Operator: LNW
Sample : JPL17-005 MW-20-1 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:21 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901015.D Vial: 27
 Acq On : 1 Sep 2006 12:45 Operator: LNW
 Sample : JPL17-005 MW-20-1 Inst : yoda
 Misc : 5mL+IS/SS #2 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:21 2006 Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	403013	50.00	ug/l	0.00 97.38%
50) Chlorobenzene-d5	8.53	82	179149	50.00	ug/l	0.00 97.18%
69) 1,4-Dichlorobenzene-d4	10.87	152	220949	50.00	ug/l	0.00 93.84%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	112083	51.13	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	109945	53.36	ug/l	0.00
51) Toluene-d8	7.04	98	409555	50.06	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	165537	52.12	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	148	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	63	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	2.36	73	669	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901015.D 8260B.M Tue Sep 05 07:22:02 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901015.D
 Acq On : 1 Sep 2006 12:45
 Sample : JPL17-005 MW-20-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:21 2006

Vial: 27
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	507		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	443		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	53		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	215		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	61		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901015.D 8260B.M Tue Sep 05 07:22:02 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901015.D
 Acq On : 1 Sep 2006 12:45
 Sample : JPL17-005 MW-20-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:21 2006

Vial: 27
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	128		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.17	91	57		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	53		N.D.	
81) sec-butylbenzene	10.73	105	77		N.D.	
82) 4-Isopropyltoluene	10.87	119	430		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	130		N.D.	
85) n-Butylbenzene	11.28	91	153		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	205		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0901015.D 8260B.M Tue Sep 05 07:22:02 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901015.D Vial: 27
Acq On : 1 Sep 2006 12:45 Operator: LNW
Sample : JPL17-005 MW-20-1 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901015.D 8260B.M Tue Sep 05 07:55:56 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901010.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 10:41

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901010.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 10:41

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-006
 Lab File ID: Y0901010.D
 Date Collected: 08/21/2006
 Date/Time Analyzed: 09/01/2006 10:41
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-006
 Lab File ID: Y0901010.D
 Date Collected: 08/22/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

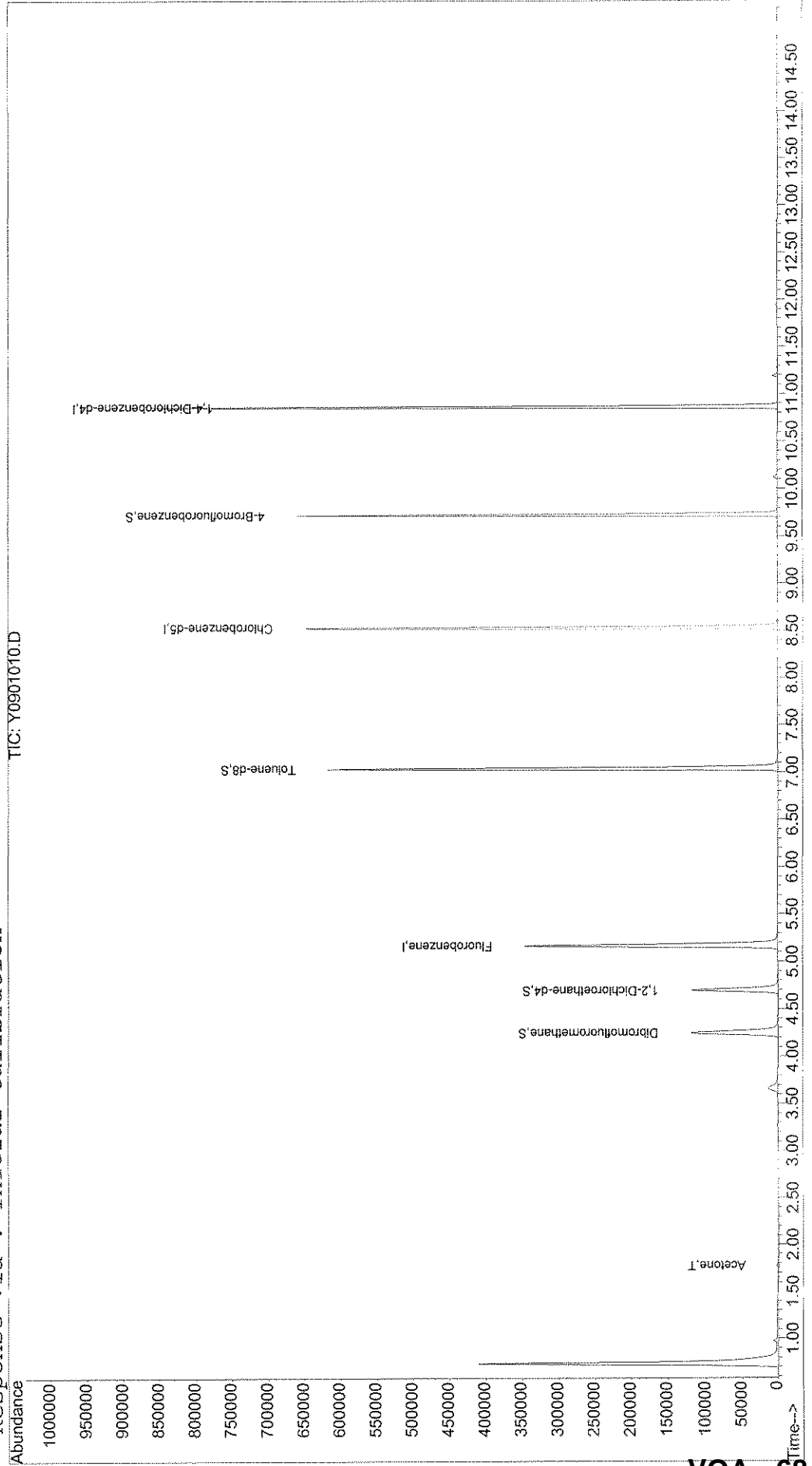
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901010.D Vial: 22
Acq On : 1 Sep 2006 10:41 Operator: LNW
Sample : JPL17-006 EB-5-8/21/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 12:26 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 68

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901010.D
 Acq On : 1 Sep 2006 10:41
 Sample : JPL17-006 EB-5-8/21/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 1 12:26 2006

Vial: 22
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	382136	50.00	ug/l	0.00	92.34%
50) Chlorobenzene-d5	8.53	82	173071	50.00	ug/l	0.00	93.89%
69) 1,4-Dichlorobenzene-d4	10.87	152	226030	50.00	ug/l	0.00	96.00%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	107795	51.86	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	103771	53.11	ug/l	0.00	
51) Toluene-d8	7.04	98	392900	49.72	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	164029	50.48	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	3891	5.78	ug/l # ✓	85
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	137	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

QW 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0901010.D 8260B.M Fri Sep 01 12:26:30 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901010.D
 Acq On : 1 Sep 2006 10:41
 Sample : JPL17-006 EB-5-8/21/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 1 12:26 2006

Vial: 22
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.	d	
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.		
31) Chloroform	0.00	83	0	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	0.00	130	0	N.D.		
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	7.11	92	407	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	0.00	166	0	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	0.00	112	0	N.D.		
62) Ethylbenzene	8.70	91	136	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.82	106	158	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	9.23	104	61	N.D.		
67) Bromoform	0.00	173	0	N.D.		
68) Isopropylbenzene	9.60	105	127	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	10.20	120	57	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901010.D 8260B.M Fri Sep 01 12:26:30 2006

Quantitation Report

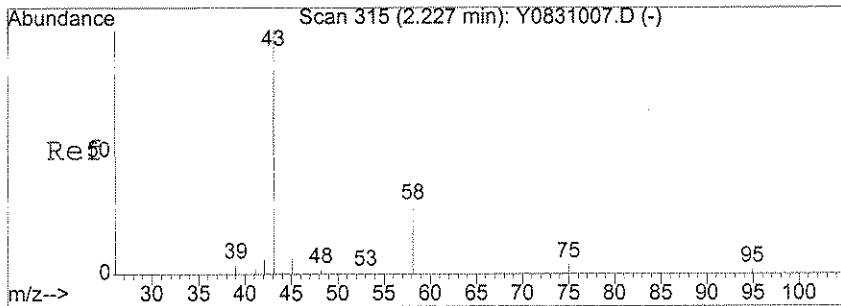
Data File : Q:\MSDCHEM\1\DATA\090106\Y0901010.D
 Acq On : 1 Sep 2006 10:41
 Sample : JPL17-006 EB-5-8/21/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 1 12:26 2006

Vial: 22
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

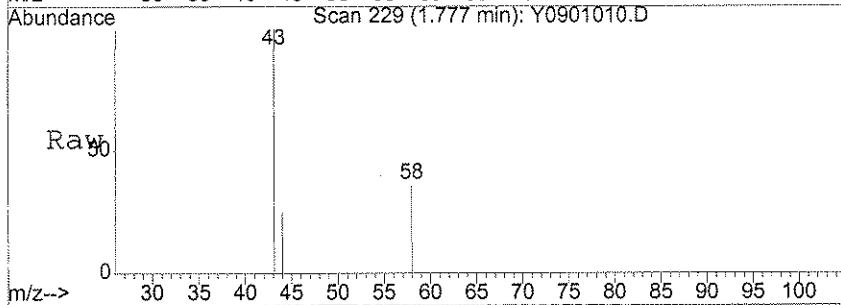
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.07	91	120		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	220		N.D.	
78) 4-Chlorotoluene	10.17	91	234		N.D.	
79) tert-Butylbenzene	10.51	119	183		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	314		N.D.	
81) sec-butylbenzene	10.72	105	376		N.D.	
82) 4-Isopropyltoluene	10.88	119	465		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	286		N.D.	
85) n-Butylbenzene	11.29	91	518		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	151		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	789		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

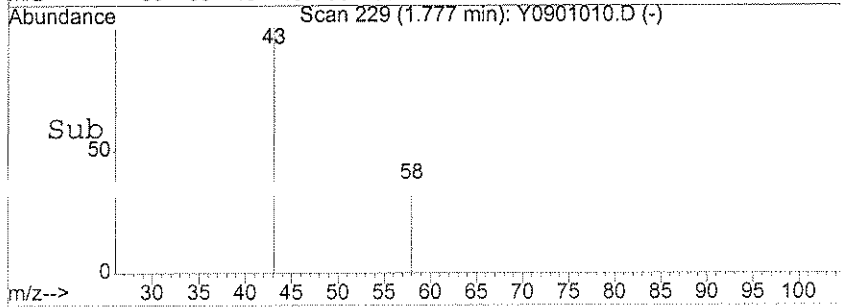
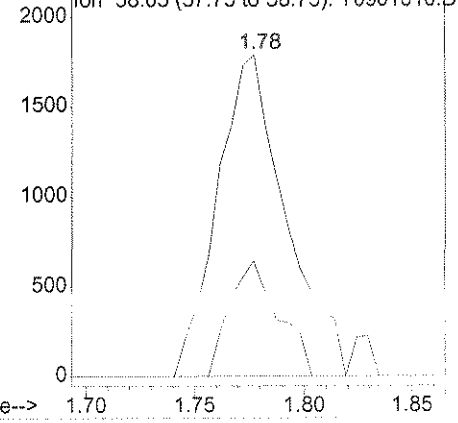


#11
 Acetone
 Concen: 5.78 ug/l
 RT: 1.78 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: Y0901010.D
 Acq: 1 Sep 2006 10:41

Tgt Ion: 43 Resp: 3891
 Ion Ratio Lower Upper
 43 100
 58 25.8 27.7 41.5#



Abundance Ion 43.15 (42.85 to 43.85): Y0901010.D
 Ion 58.05 (57.75 to 58.75): Y0901010.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901010.D Vial: 22
Acq On : 1 Sep 2006 10:41 Operator: LNW
Sample : JPL17-006 EB-5-8/21/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901010.D 8260B.M Fri Sep 01 12:26:36 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-007
 Lab File ID: Y0901009.D
 Date Collected: 08/21/2006
 Date/Time Analyzed: 09/01/2006 10:16
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	12	
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-007
 Lab File ID: Y0901009.D
 Date Collected: 08/21/2006
 Date/Time Analyzed: 09/01/2006 10:16
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-007
 Lab File ID: Y0901009.D
 Date Collected: 08/21/2006
 Date/Time Analyzed: 09/01/2006 10:16
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-007

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901009.D

Level: (LOW/MED) _____

Date Collected: 08/21/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 1

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

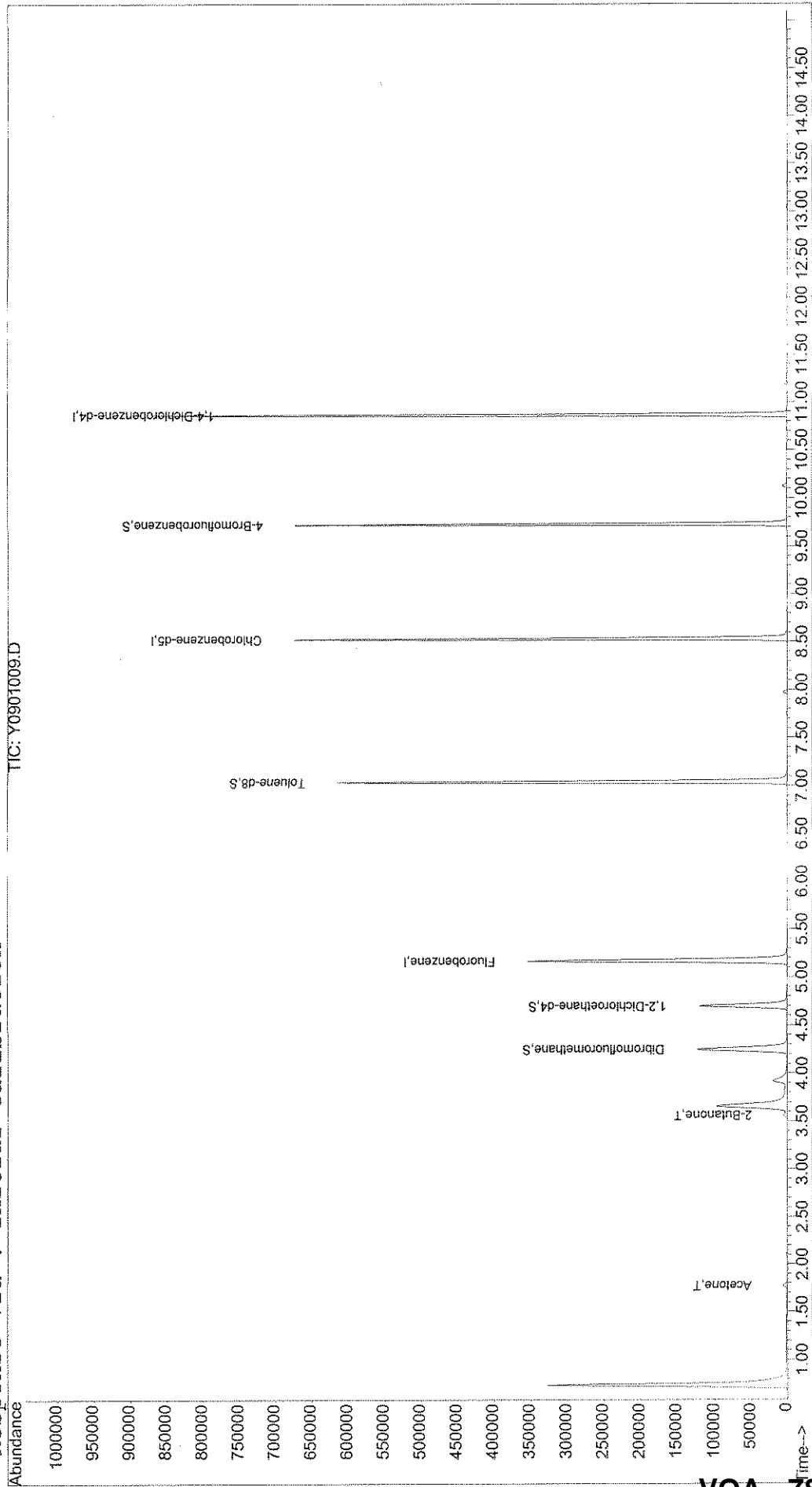
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		unknown	3.66	19	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901009.D Vial: 21
Acq On : 1 Sep 2006 10:16 Operator: LNW
Sample : JPL17-007 TB-5-8/21/06 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 12:21 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 78

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901009.D
 Acq On : 1 Sep 2006 10:16
 Sample : JPL17-007 TB-5-8/21/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 12:21 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	394416	50.00	ug/l	0.00	95.31%
50) Chlorobenzene-d5	8.53	82	175571	50.00	ug/l	0.00	95.24%
69) 1,4-Dichlorobenzene-d4	10.87	152	222025	50.00	ug/l	0.00	94.30%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	110536	51.52	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	105363	52.25	ug/l	0.00	
51) Toluene-d8	7.04	98	397252	49.55	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	164408	51.51	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	10249	14.74	ug/l #	88
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.86	76	231	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901009.D 8260B.M Fri Sep 01 12:22:08 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901009.D
 Acq On : 1 Sep 2006 10:16
 Sample : JPL17-007 TB-5-8/21/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 12:21 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.56	43	11021	12.06	ug/l	# ✓ 94
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.	d	
31) Chloroform	0.00	83	0	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.49	75	595	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	0.00	130	0	N.D.		
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	6.99	43	61	N.D.		
52) Toluene	7.11	92	337	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	0.00	166	0	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.	d	
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	8.55	112	68	N.D.		
62) Ethylbenzene	8.70	91	335	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.82	106	354	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	9.23	104	146	N.D.		
67) Bromoform	9.38	173	54	N.D.		
68) Isopropylbenzene	9.60	105	347	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	10.20	120	65	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

QPL 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0901009.D 8260B.M Fri Sep 01 12:22:09 2006

Quantitation Report

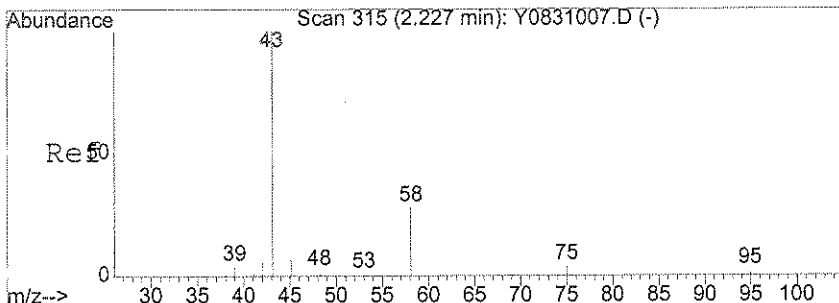
Data File : Q:\MSDCHEM\1\DATA\090106\Y0901009.D
 Acq On : 1 Sep 2006 10:16
 Sample : JPL17-007 TB-5-8/21/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 12:21 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

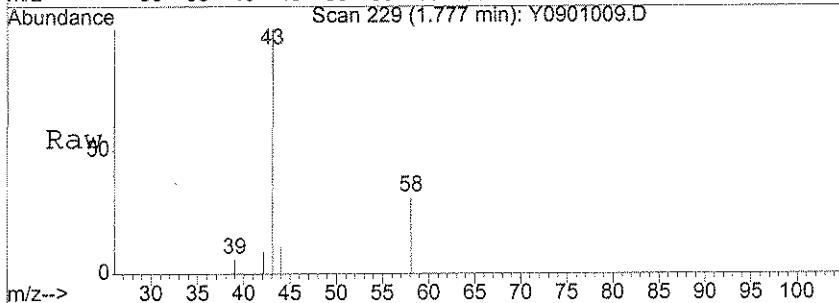
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	215		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	377		N.D.	
78) 4-Chlorotoluene	10.17	91	343		N.D.	
79) tert-Butylbenzene	10.50	119	337		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	1045		N.D.	
81) sec-butylbenzene	10.72	105	513		N.D.	
82) 4-Isopropyltoluene	10.88	119	951		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	66		N.D.	
84) 1,4-Dichlorobenzene	10.88	146	412		N.D.	
85) n-Butylbenzene	11.28	91	797		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	263		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	1491		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

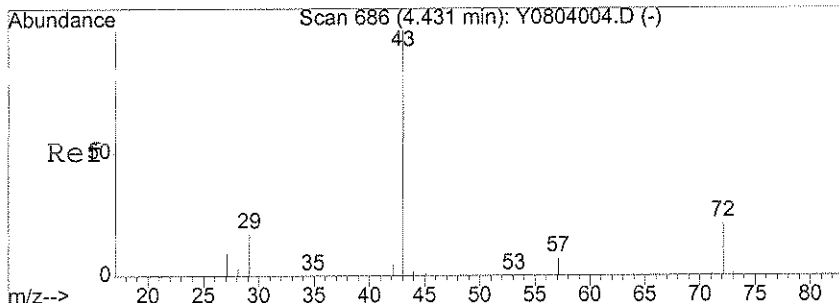
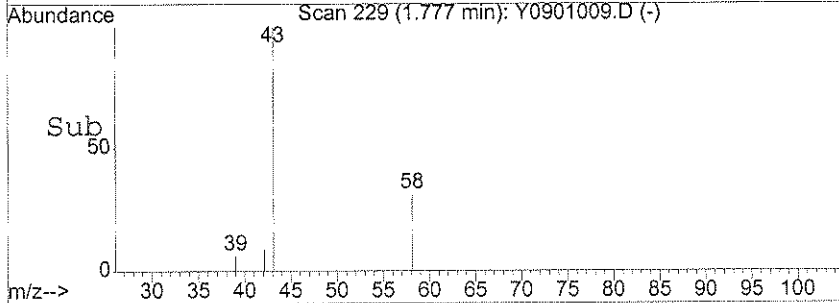
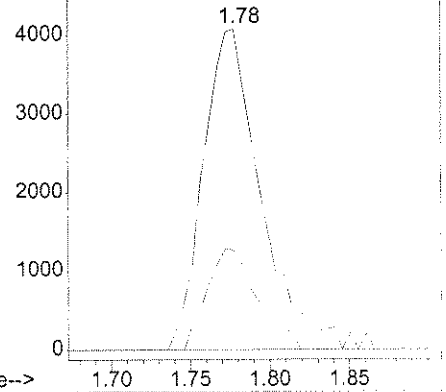


#11
 Acetone
 Concen: 14.74 ug/l
 RT: 1.78 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: Y0901009.D
 Acq: 1 Sep 2006 10:16

Tgt Ion: 43 Resp: 10249
 Ion Ratio Lower Upper
 43 100
 58 27.6 27.7 41.5#

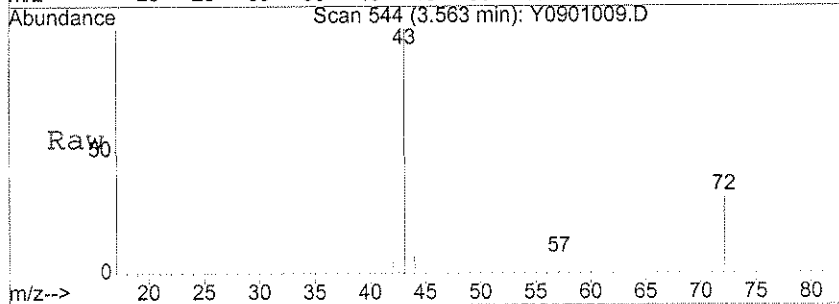


Abundance Ion 43.15 (42.85 to 43.85): Y0901009.D
 Ion 58.05 (57.75 to 58.75): Y0901009.D

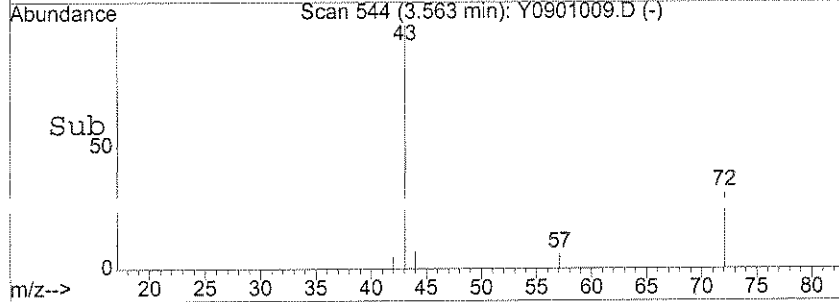
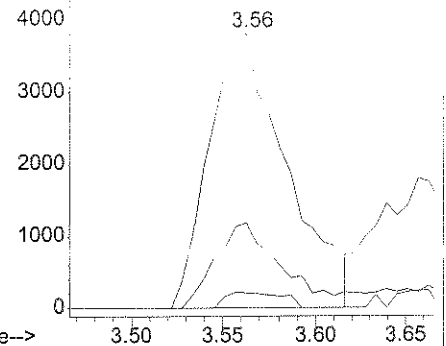


#27
 2-Butanone
 Concen: 12.06 ug/l
 RT: 3.56 min Scan# 544
 Delta R.T. 0.00 min
 Lab File: Y0901009.D
 Acq: 1 Sep 2006 10:16

Tgt Ion: 43 Resp: 11021
 Ion Ratio Lower Upper
 43 100
 72 26.1 19.0 28.6
 57 4.2 6.2 9.2#



Abundance Ion 43.15 (42.85 to 43.85): Y0901009.D
 Ion 72.15 (71.85 to 72.85): Y0901009.D
 Ion 57.00 (56.70 to 57.70): Y0901009.D



Tentatively Identified Compound (LSC) summary

Operator ID: LNW Date Acquired: 1 Sep 2006 10:16
Data File: Q:\MSDCHEM\1\DATA\090106\Y0901009.D
Name: JPL17-007 TB-5-8/21/06
Misc: 5mL+IS/SS #1
Method: Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title: VOA Standards for 5 point calibration 8260- 5ML
Library Searched: D:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
unknown	3.66	18.9	ug/l	292065	ISTD01	5.17	770684	50.0
Y0901009.D 8260B.M								

Fri Sep 01 12:23:34 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-008
 Lab File ID: Y0901016.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 13:09
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.33	J

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-008

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901016.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 13:09

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	1.9	
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.48	J
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-008
 Lab File ID: Y0901016.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 13:09
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-4-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-008
 Lab File ID: Y0901016.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

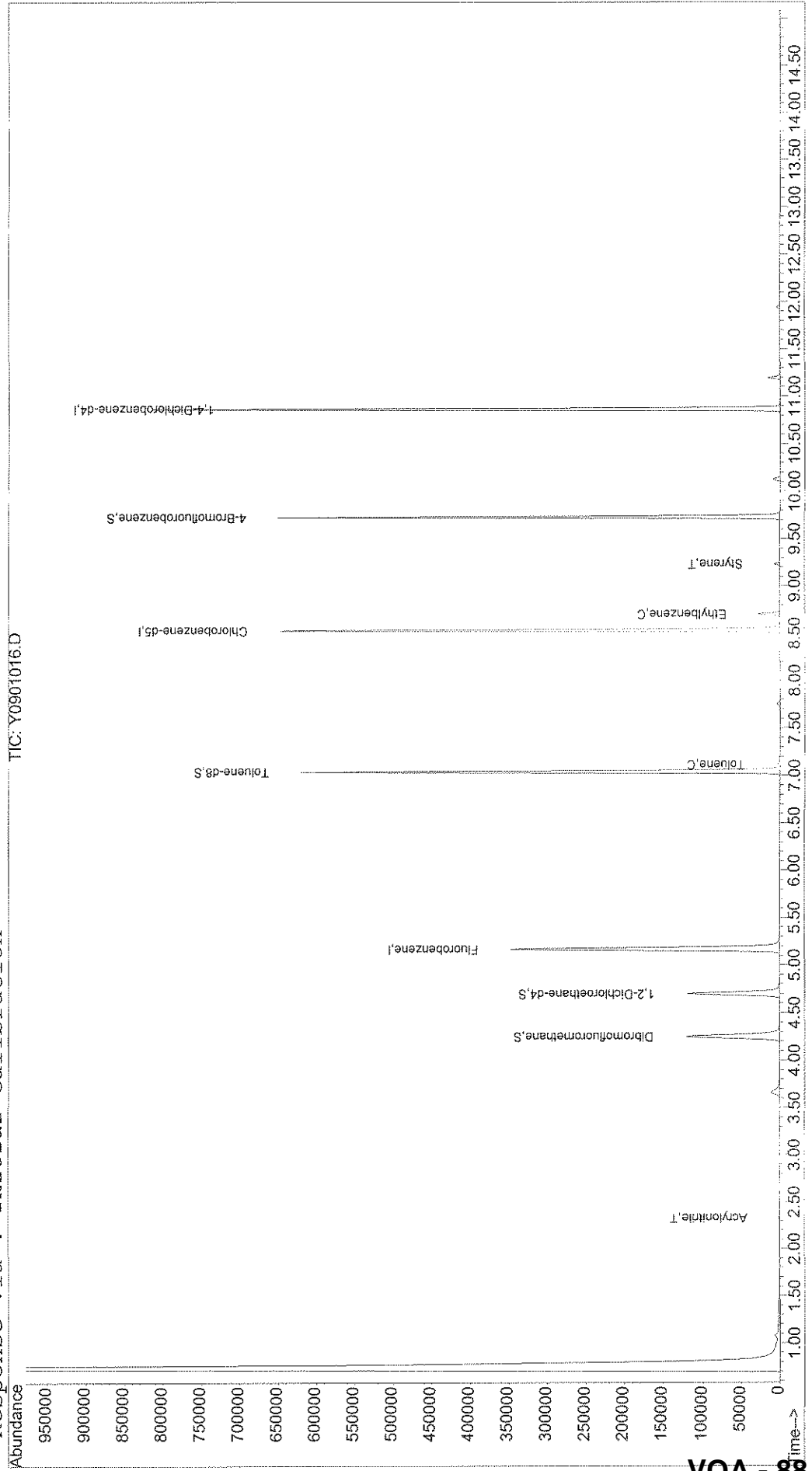
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901016.D Vial: 28
Acq On : 1 Sep 2006 13:09 Operator: LNW
Sample : JPL17-008 MW-4-3 Inst : Yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:23 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 88

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901016.D
 Acq On : 1 Sep 2006 13:09
 Sample : JPL17-008 MW-4-3
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:23 2006

Vial: 28
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Recovery (Ar)
1) Fluorobenzene	5.17	96	389959	50.00	ug/l	0.00	94.23%
50) Chlorobenzene-d5	8.53	82	171963	50.00	ug/l	0.00	93.29%
69) 1,4-Dichlorobenzene-d4	10.87	152	212984	50.00	ug/l	0.00	90.46%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	109553	51.64	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	105643	52.98	ug/l	0.00	
51) Toluene-d8	7.04	98	392733	50.01	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	159016	51.94	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.99	62	66	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	950	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	2.33	53	728	5.23	ug/l	#✓ 86
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901016.D 8260B.M Tue Sep 05 07:24:05 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901016.D
 Acq On : 1 Sep 2006 13:09
 Sample : JPL17-008 MW-4-3
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:23 2006

Vial: 28
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.77	78	54		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	1948	0.33	ug/l ✓	86
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	8.56	112	394		N.D.	
62) Ethylbenzene	8.70	91	19905	1.87	ug/l ✓	96
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	763		N.D.	
65) o-xylene	9.21	106	181		N.D.	
66) Styrene	9.23	104	3413	0.48	ug/l ✓	96
67) Bromoform	9.39	173	61		N.D.	
68) Isopropylbenzene	9.60	105	157		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

LNW 9/5/06

(#) = qualifier out of range (m) = manual integration
 Y0901016.D 8260B.M Tue Sep 05 07:24:06 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901016.D
 Acq On : 1 Sep 2006 13:09
 Sample : JPL17-008 MW-4-3
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:23 2006

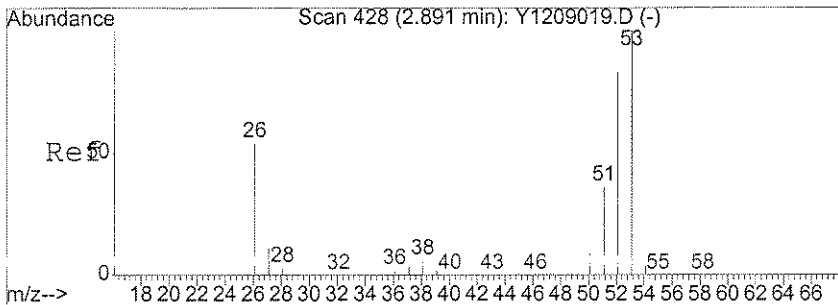
Vial: 28
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

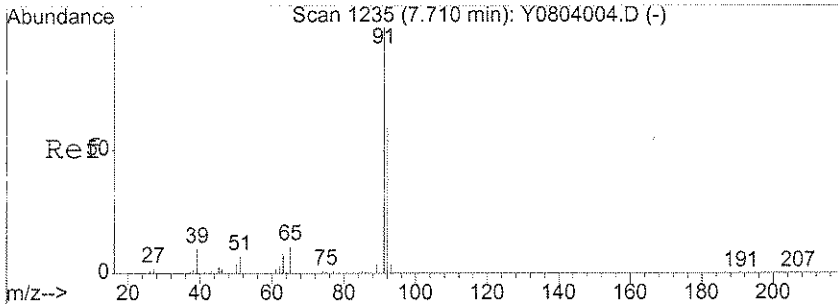
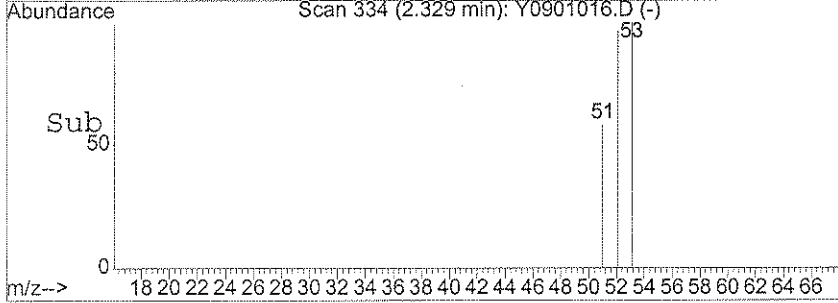
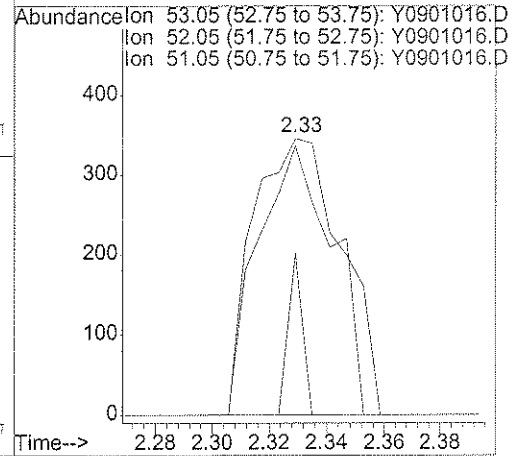
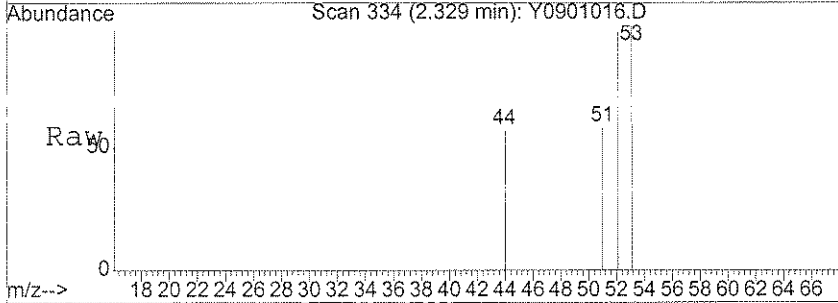
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	198		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.18	91	75		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	67		N.D.	
81) sec-butylbenzene	10.73	105	81		N.D.	
82) 4-Isopropyltoluene	10.88	119	351		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	54		N.D.	
85) n-Butylbenzene	11.28	91	255		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	114		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	232		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0901016.D 8260B.M Tue Sep 05 07:24:06 2006



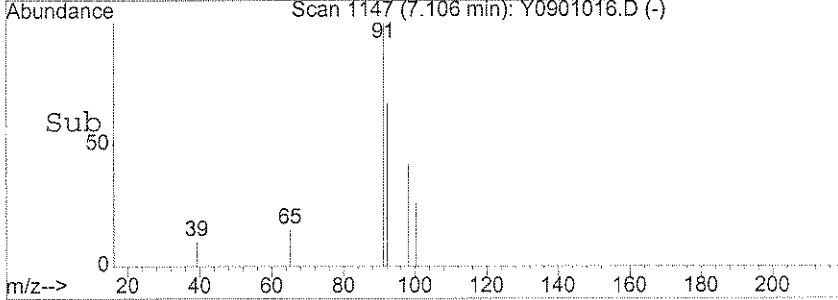
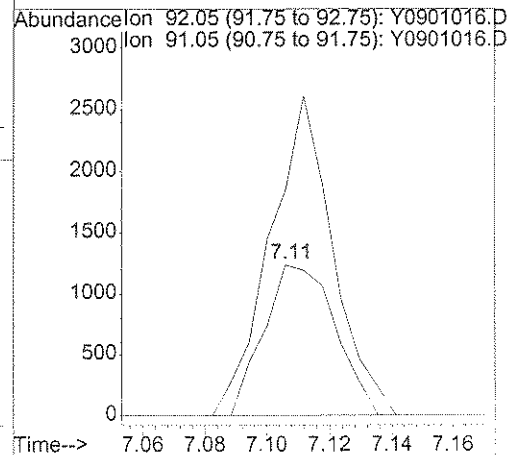
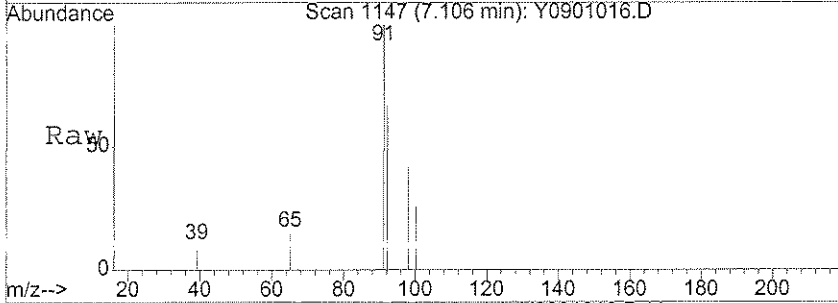
#21
 Acrylonitrile
 Concen: 5.23 ug/l
 RT: 2.33 min Scan# 334
 Delta R.T. 0.01 min
 Lab File: Y0901016.D
 Acq: 1 Sep 2006 13:09

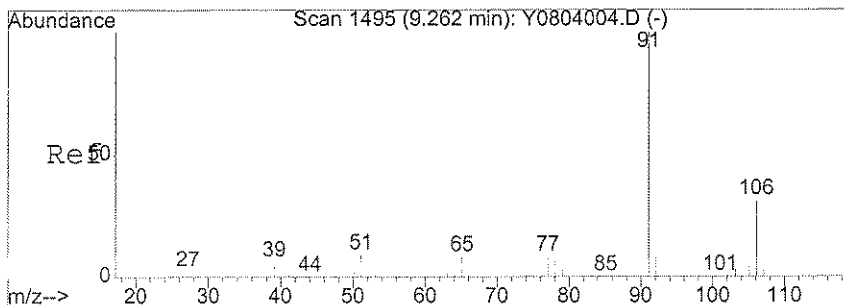
Tgt Ion	Resp	Lower	Upper
53	728		
52	82.4	67.6	101.4
51	9.8	27.2	40.8#



#52
 Toluene
 Concen: 0.33 ug/l
 RT: 7.11 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: Y0901016.D
 Acq: 1 Sep 2006 13:09

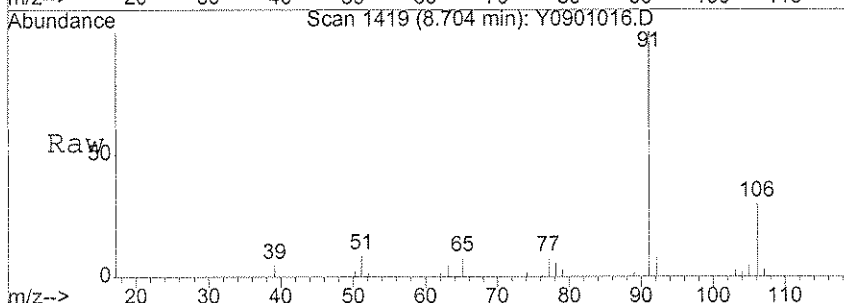
Tgt Ion	Resp	Lower	Upper
92	1948		
91	187.0	134.5	201.7



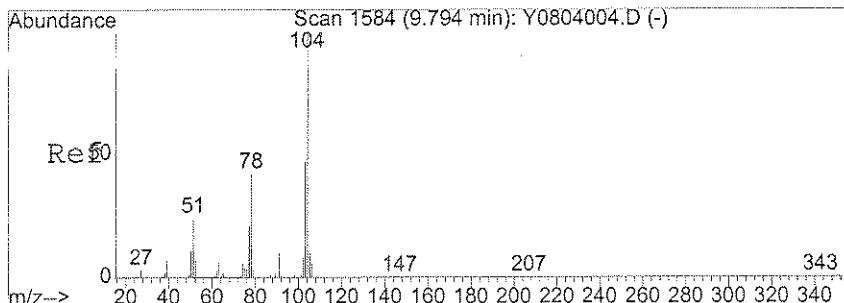
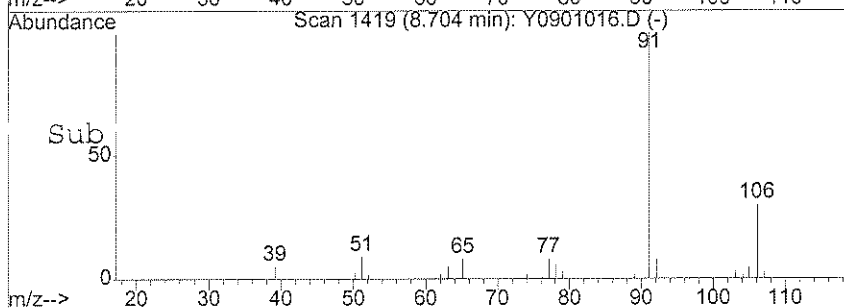
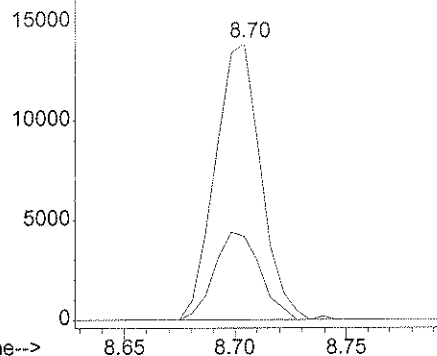


#62
Ethylbenzene
Concen: 1.87 ug/l
RT: 8.70 min Scan# 1419
Delta R.T. 0.00 min
Lab File: Y0901016.D
Acq: 1 Sep 2006 13:09

Tgt Ion	Resp	Lower	Upper
91	19905		
106	30.2	25.8	38.6
112	0.0	0.0	0.0

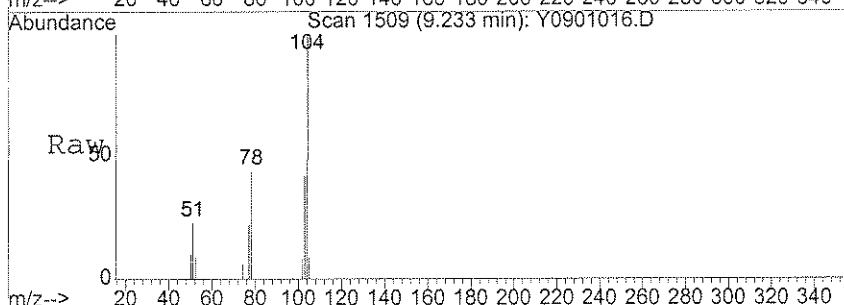


Abundance
Ion 91.05 (90.75 to 91.75): Y0901016.D
Ion 106.15 (105.85 to 106.85): Y0901016.D
Ion 112.05 (111.75 to 112.75): Y0901016.D

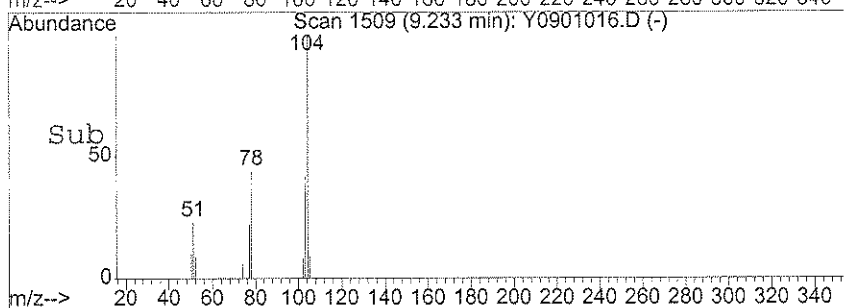
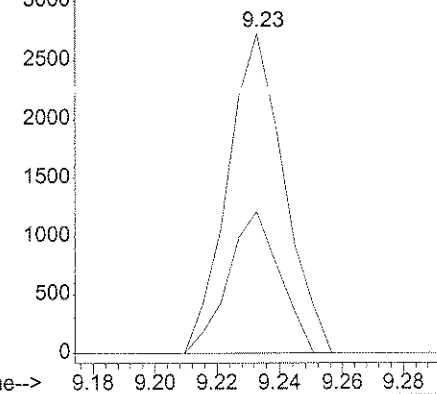


#66
Styrene
Concen: 0.48 ug/l
RT: 9.23 min Scan# 1509
Delta R.T. 0.00 min
Lab File: Y0901016.D
Acq: 1 Sep 2006 13:09

Tgt Ion	Resp	Lower	Upper
104	3413		
78	40.7	18.5	58.5



Abundance
Ion 104.00 (103.70 to 104.70): Y0901016.D
Ion 78.00 (77.70 to 78.70): Y0901016.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901016.D Vial: 28
Acq On : 1 Sep 2006 13:09 Operator: LNW
Sample : JPL17-008 MW-4-3 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901016.D 8260B.M Tue Sep 05 07:24:12 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-009
 Lab File ID: Y0901019.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 14:24
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.29	J
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.31	J
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.77	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-009
 Lab File ID: Y0901019.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 14:24
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.53	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-009

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901019.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 14:24

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-4-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-009
 Lab File ID: Y0901019.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

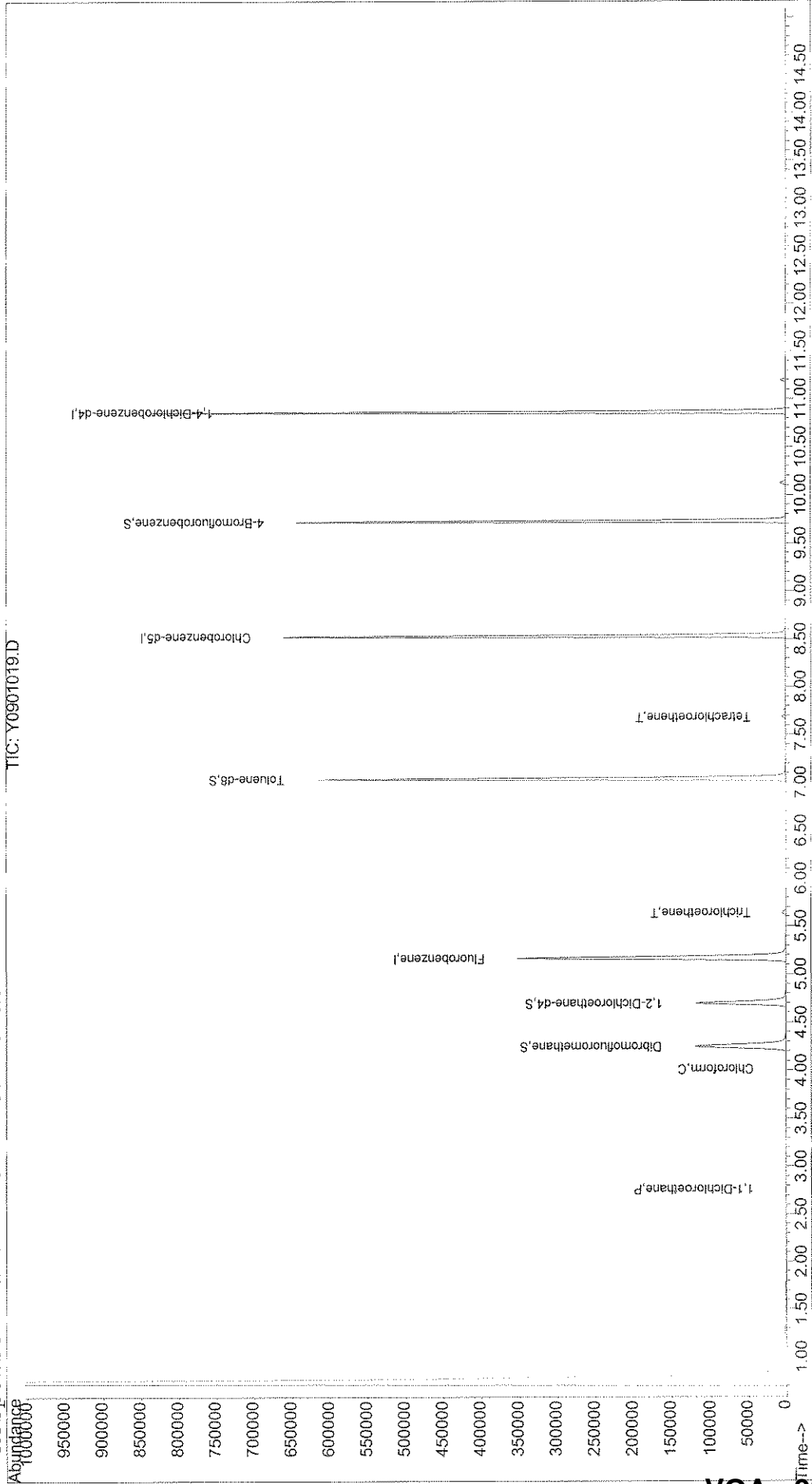
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901019.D Vial: 29
Acq On : 1 Sep 2006 14:24 Operator: LNW
Sample : JPL17-009 MW-4-2 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:28 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901019.D
 Acq On : 1 Sep 2006 14:24
 Sample : JPL17-009 MW-4-2
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:28 2006

Vial: 29
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	386713	50.00	ug/l	0.00	93.45%
50) Chlorobenzene-d5	8.53	82	175718	50.00	ug/l	0.00	95.32%
69) 1,4-Dichlorobenzene-d4	10.87	152	216493	50.00	ug/l	0.00	91.95%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	108145	51.41	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	106458	53.84	ug/l	0.00	
51) Toluene-d8	7.04	98	396136	49.37	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	160070	51.43	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.76	63	1070	0.29	ug/l	78
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

LNW 9/5/06

(#) = qualifier out of range (m) = manual integration
 Y0901019.D 8260B.M Tue Sep 05 07:28:37 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901019.D
 Acq On : 1 Sep 2006 14:24
 Sample : JPL17-009 MW-4-2
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:28 2006

Vial: 29
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.		
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.		
31) Chloroform	4.02	83	1224	0.31	ug/l ✓	85
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.64	130	2239	0.77	ug/l ✓	96
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	0.00	92	0	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	7.68	166	1737	0.53	ug/l ✓	87
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	8.56	112	113	N.D.		
62) Ethylbenzene	8.83	91	273	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	0.00	106	0	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	0.00	104	0	N.D.		
67) Bromoform	9.39	173	57	N.D.		
68) Isopropylbenzene	9.73	105	170	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	0.00	120	0	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

QW 9/5/06

(#) = qualifier out of range (m) = manual integration
 Y0901019.D 8260B.M Tue Sep 05 07:28:37 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901019.D
 Acq On : 1 Sep 2006 14:24
 Sample : JPL17-009 MW-4-2
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:28 2006

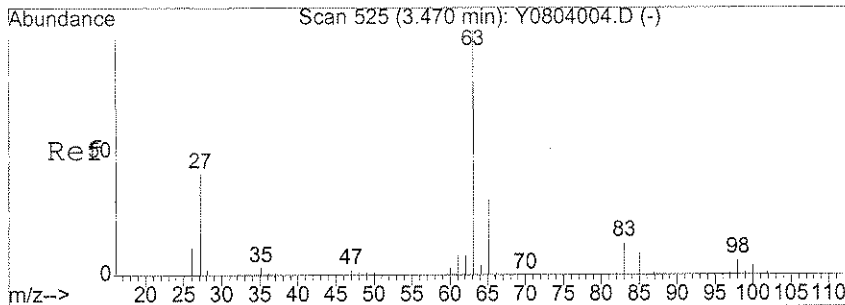
Vial: 29
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

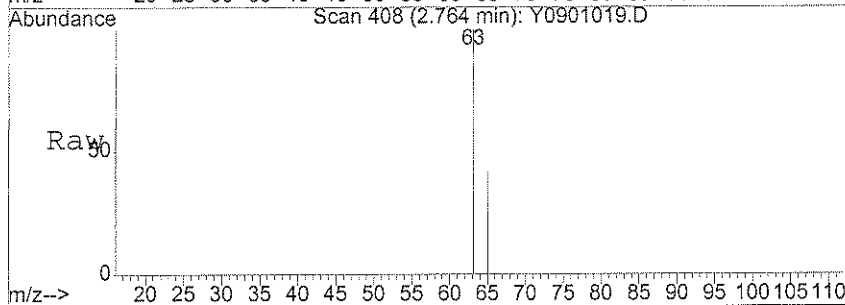
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	132		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	59		N.D.	
78) 4-Chlorotoluene	10.01	91	132		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.73	105	61		N.D.	
81) sec-butylbenzene	10.73	105	61		N.D.	
82) 4-Isopropyltoluene	10.88	119	136		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	175		N.D.	
85) n-Butylbenzene	11.28	91	59		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	165		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	61		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0901019.D 8260B.M Tue Sep 05 07:28:37 2006

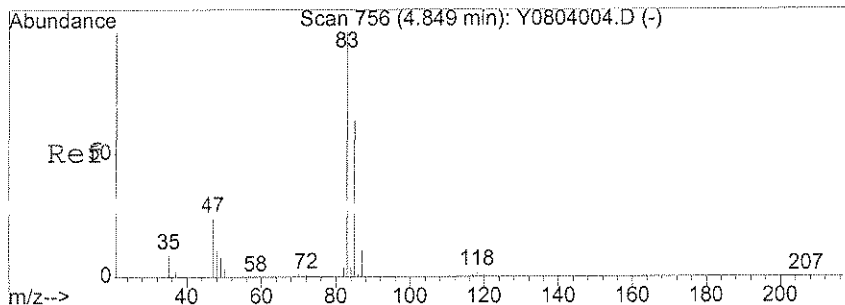
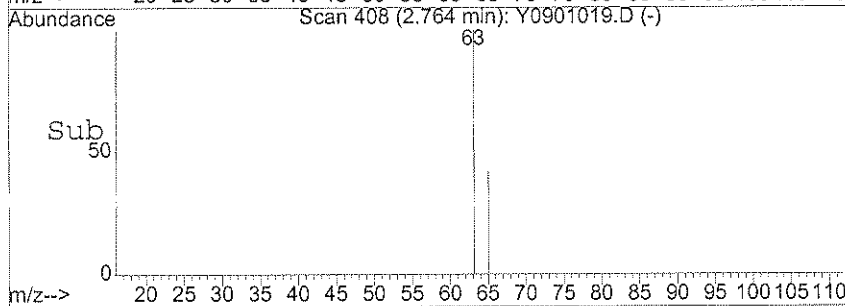
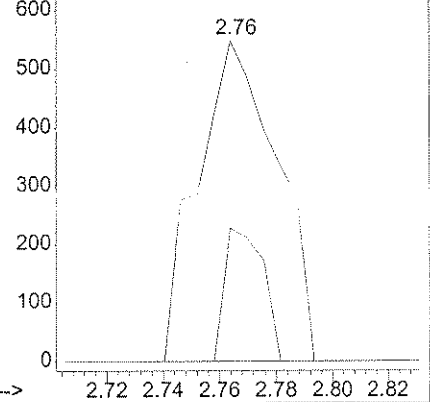


#23
 1,1-Dichloroethane
 Concen: 0.29 ug/l
 RT: 2.76 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: Y0901019.D
 Acq: 1 Sep 2006 14:24

Tgt Ion: 63 Resp: 1070
 Ion Ratio Lower Upper
 63 100
 65 20.1 12.1 52.1

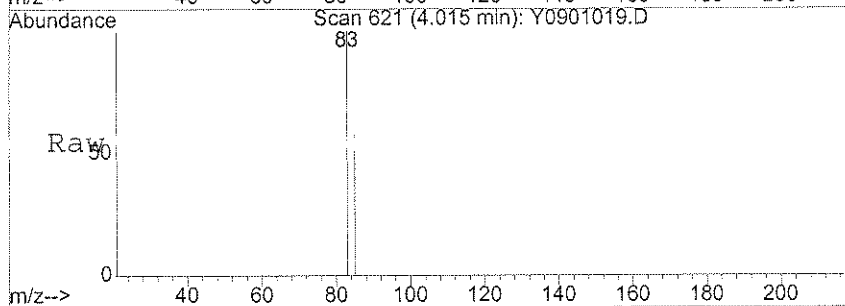


Abundance Ion 63.00 (62.70 to 63.70): Y0901019.D
 Ion 65.00 (64.70 to 65.70): Y0901019.D

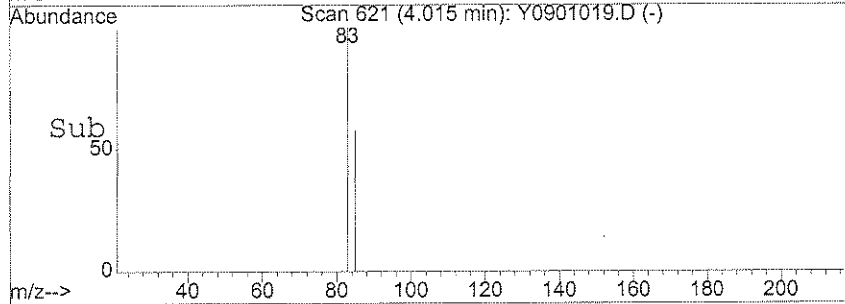
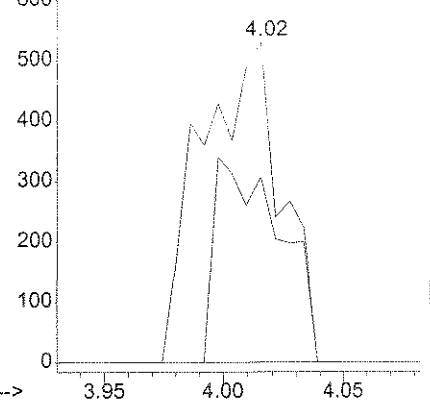


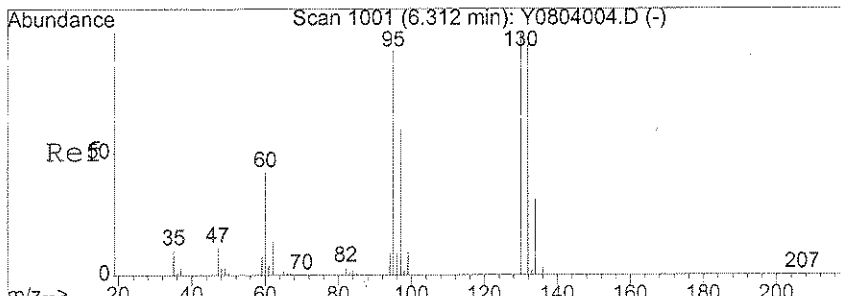
#31
 Chloroform
 Concen: 0.31 ug/l
 RT: 4.02 min Scan# 621
 Delta R.T. 0.01 min
 Lab File: Y0901019.D
 Acq: 1 Sep 2006 14:24

Tgt Ion: 83 Resp: 1224
 Ion Ratio Lower Upper
 83 100
 85 52.5 44.6 84.6



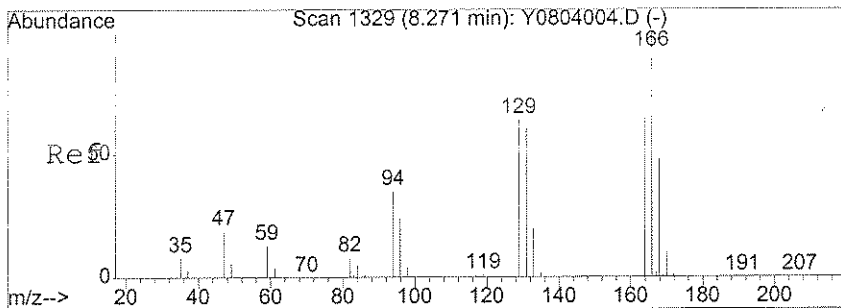
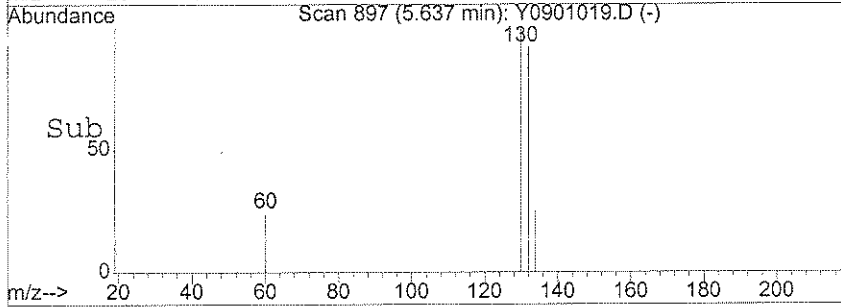
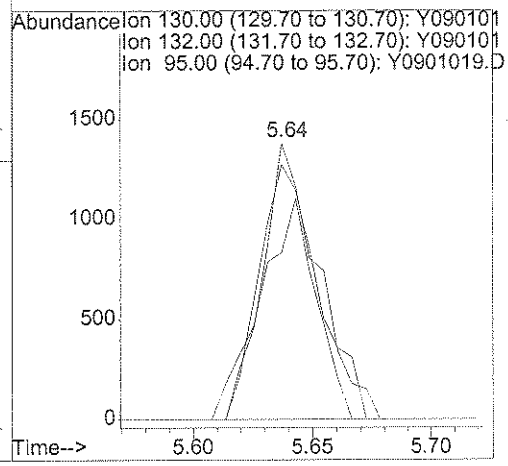
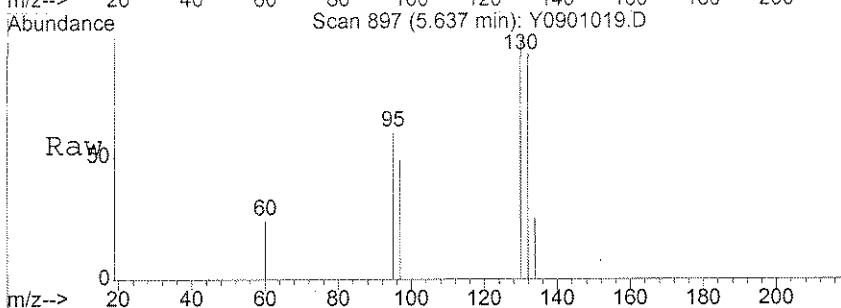
Abundance Ion 83.00 (82.70 to 83.70): Y0901019.D
 Ion 85.00 (84.70 to 85.70): Y0901019.D





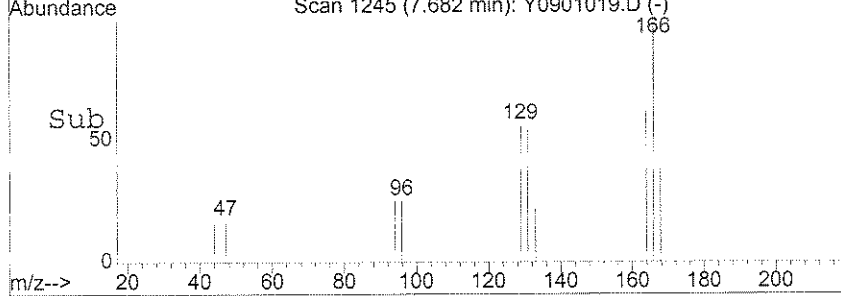
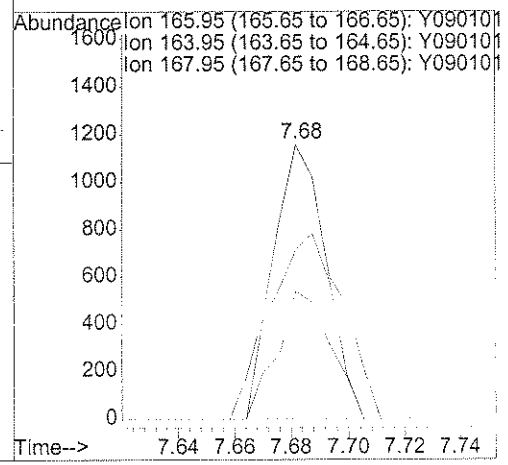
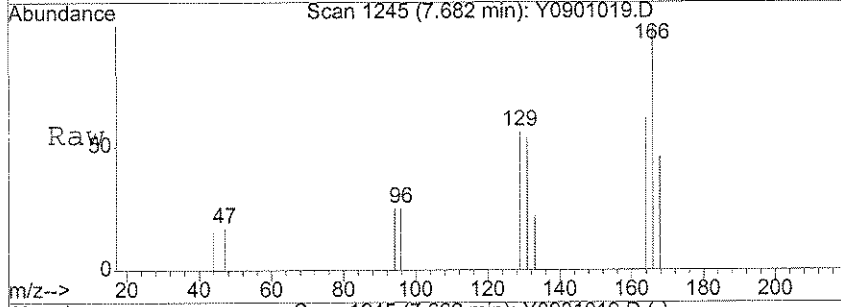
#42
 Trichloroethene
 Concen: 0.77 ug/l
 RT: 5.64 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: Y0901019.D
 Acq: 1 Sep 2006 14:24

Tgt Ion	Resp	Lower	Upper
130	2239		
130	100		
132	98.3	76.9	116.9
95	80.7	67.3	107.3



#56
 Tetrachloroethene
 Concen: 0.53 ug/l
 RT: 7.68 min Scan# 1245
 Delta R.T. -0.01 min
 Lab File: Y0901019.D
 Acq: 1 Sep 2006 14:24

Tgt Ion	Resp	Lower	Upper
166	1737		
166	100		
164	65.5	61.7	92.5
168	40.2	38.6	57.8



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901019.D Vial: 29
Acq On : 1 Sep 2006 14:24 Operator: LNW
Sample : JPL17-009 MW-4-2 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901019.D 8260B.M Tue Sep 05 07:28:42 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901020.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 14:48

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901020.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 14:48

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-4-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901020.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 14:48

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-4-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901020.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

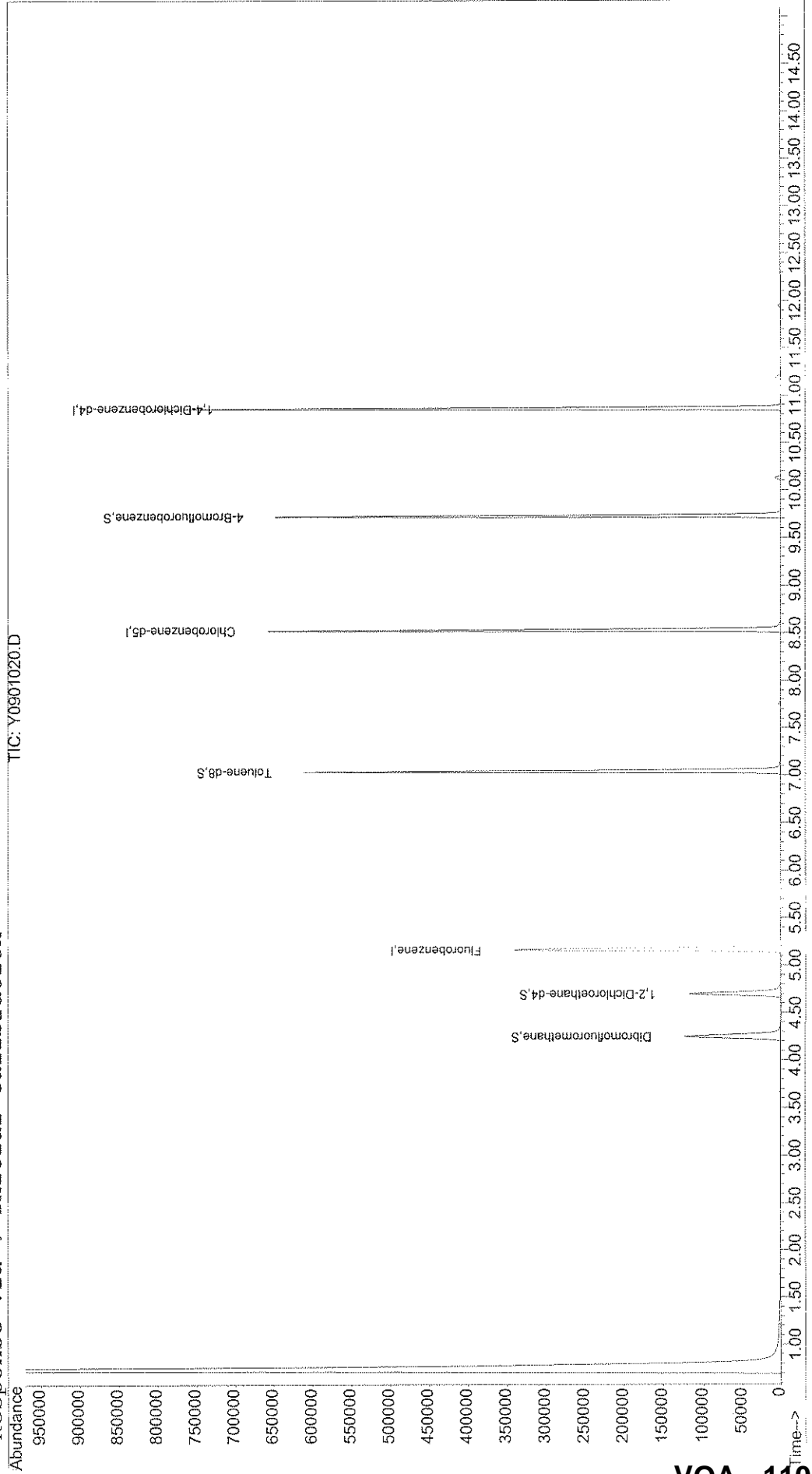
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901020.D Vial: 30
Acq On : 1 Sep 2006 14:48 Operator: LNW
Sample : JPL17-010 MW-4-1 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:29 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901020.D Vial: 30
 Acq On : 1 Sep 2006 14:48 Operator: LNW
 Sample : JPL17-010 MW-4-1 Inst : yoda
 Misc : 5mL+IS/SS #3 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:29 2006 Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	389311	50.00	ug/l	0.00	94.07%
50) Chlorobenzene-d5	8.53	82	172836	50.00	ug/l	0.00	93.76%
69) 1,4-Dichlorobenzene-d4	10.87	152	211130	50.00	ug/l	0.00	89.67%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	110616	52.23	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	107754	54.13	ug/l	0.00	
51) Toluene-d8	7.04	98	393146	49.81	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	159843	52.66	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901020.D 8260B.M Tue Sep 05 07:29:38 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901020.D
 Acq On : 1 Sep 2006 14:48
 Sample : JPL17-010 MW-4-1
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:29 2006

Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.10	92	125		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	79		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	131		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	57		N.D.	
68) Isopropylbenzene	9.73	105	122		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901020.D 8260B.M Tue Sep 05 07:29:39 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901020.D
 Acq On : 1 Sep 2006 14:48
 Sample : JPL17-010 MW-4-1
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:29 2006

Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.88	119	60		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	55		N.D.	
85) n-Butylbenzene	11.28	91	126		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

 (#) = qualifier out of range (m) = manual integration
 Y0901020.D 8260B.M Tue Sep 05 07:29:39 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901020.D Vial: 30
Acq On : 1 Sep 2006 14:48 Operator: LNW
Sample : JPL17-010 MW-4-1 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901020.D 8260B.M Tue Sep 05 07:29:43 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Dupe-1-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-011
 Lab File ID: Y0901021.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 15:14
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Dupe-1-3Q06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901021.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 15:14

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Dupe-1-3Q06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901021.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 15:14

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Dupe-1-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-011
 Lab File ID: Y0901021.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

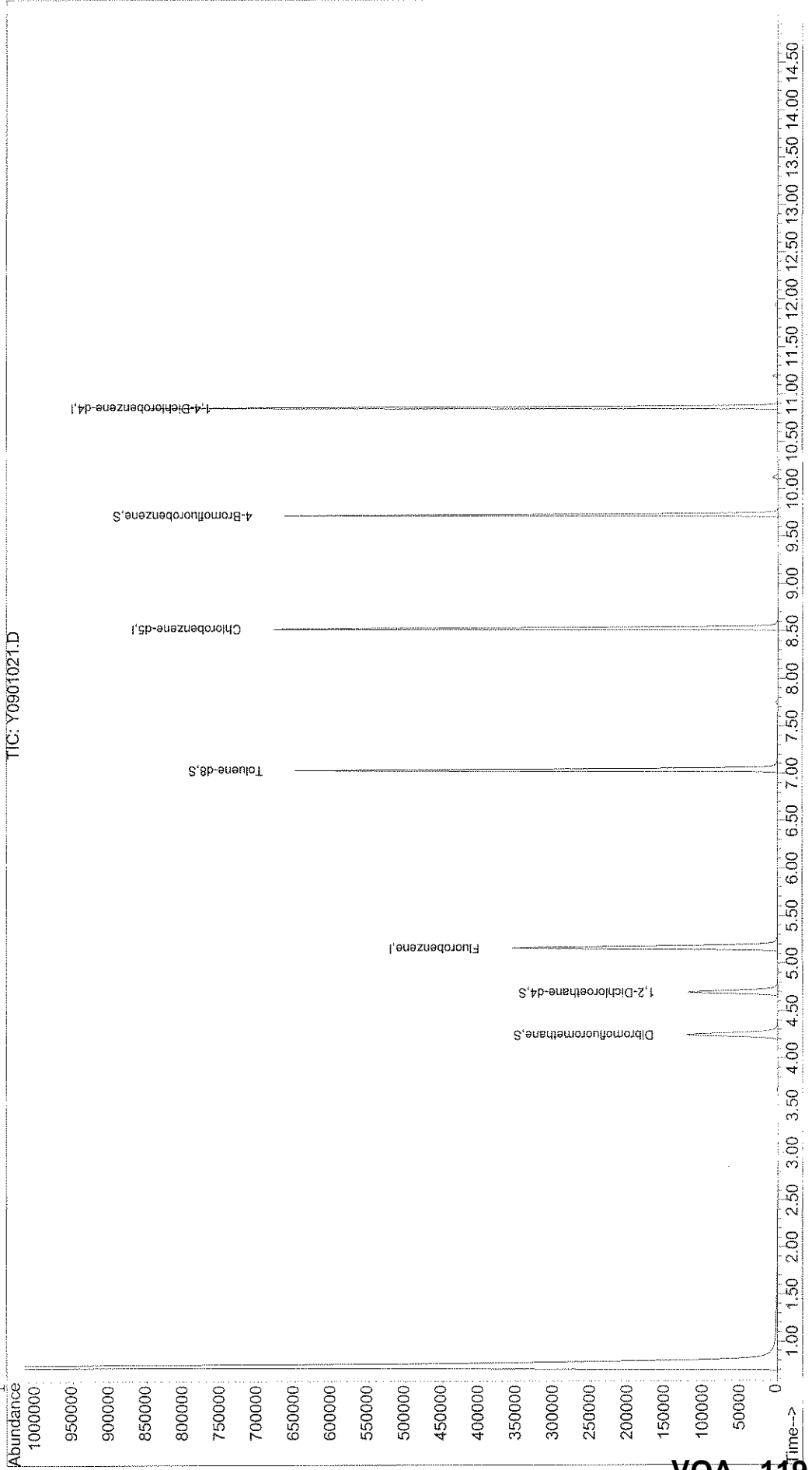
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901021.D Vial: 31
Acq On : 1 Sep 2006 15:14 Operator: LNW
Sample : JPL17-011 Dupe-1-3Q06 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:30 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 119

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901021.D
 Acq On : 1 Sep 2006 15:14
 Sample : JPL17-011 Dupe-1-3Q06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:30 2006

Vial: 31
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	396936	50.00	ug/l	0.00 95.92%
50) Chlorobenzene-d5	8.53	82	179847	50.00	ug/l	0.00 97.56%
69) 1,4-Dichlorobenzene-d4	10.87	152	215443	50.00	ug/l	0.00 91.50%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	109969	50.93	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	109082	53.75	ug/l	0.00
51) Toluene-d8	7.04	98	409641	49.88	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	162548	52.48	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901021.D 8260B.M Tue Sep 05 07:30:34 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901021.D
 Acq On : 1 Sep 2006 15:14
 Sample : JPL17-011 Dupe-1-3Q06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:30 2006

Vial: 31
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	66		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	54		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.82	106	57		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	62		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901021.D 8260B.M Tue Sep 05 07:30:35 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901021.D
 Acq On : 1 Sep 2006 15:14
 Sample : JPL17-011 Dupe-1-3Q06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:30 2006

Vial: 31
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.87	119	108		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.28	91	60		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901021.D Vial: 31
Acq On : 1 Sep 2006 15:14 Operator: LNW
Sample : JPL17-011 Dupe-1-3Q06 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901021.D 8260B.M Tue Sep 05 07:30:38 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901012.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 11:31

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	1.1	
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-012
 Lab File ID: Y0901012.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 11:31
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901012.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 11:31

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901012.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

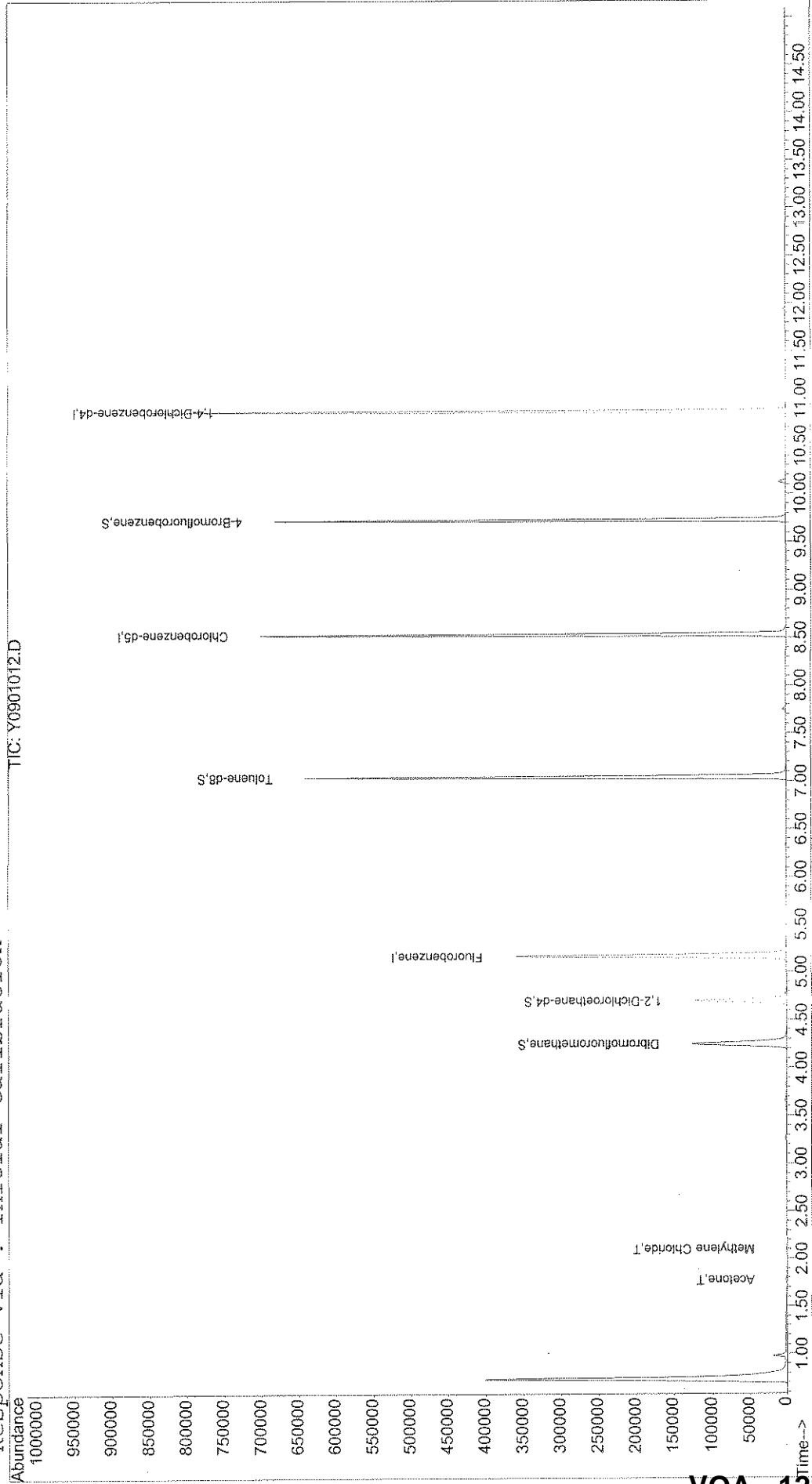
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901012.D Vial: 24
Acq On : 1 Sep 2006 11:31 Operator: LNW
Sample : JPL17-012 EB-6-8/22/06 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:14 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901012.D
 Acq On : 1 Sep 2006 11:31
 Sample : JPL17-012 EB-6-8/22/06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:14 2006

Vial: 24
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	409788	50.00	ug/l	0.00 99.02%
50) Chlorobenzene-d5	8.53	82	182599	50.00	ug/l	0.00 99.06%
69) 1,4-Dichlorobenzene-d4	10.87	152	220179	50.00	ug/l	0.00 93.51%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	114065	51.17	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	112021	53.46	ug/l	0.00
51) Toluene-d8	7.04	98	416109	49.90	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	167556	52.94	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	2763	3.83	ug/l #	75
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	71	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.10	84	503	1.08	ug/l #	80
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

LNW 9/5/06

(#) = qualifier out of range (m) = manual integration
 Y0901012.D 8260B.M Tue Sep 05 07:15:43 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901012.D
 Acq On : 1 Sep 2006 11:31
 Sample : JPL17-012 EB-6-8/22/06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:14 2006

Vial: 24
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.	d	
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.		
31) Chloroform	0.00	83	0	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	4.29	56	61	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	0.00	130	0	N.D.		
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	7.11	92	116	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	0.00	166	0	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	0.00	112	0	N.D.		
62) Ethylbenzene	8.70	91	123	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.83	106	126	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	0.00	104	0	N.D.		
67) Bromoform	9.39	173	63	N.D.		
68) Isopropylbenzene	9.60	105	72	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	0.00	120	0	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901012.D 8260B.M Tue Sep 05 07:15:43 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901012.D
 Acq On : 1 Sep 2006 11:31
 Sample : JPL17-012 EB-6-8/22/06
 Misc : 5mL+IS/SS #3

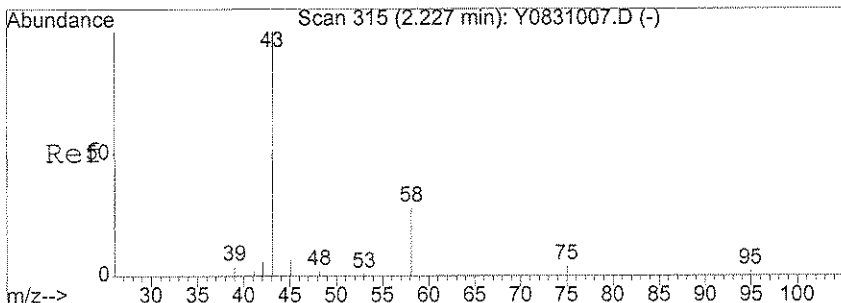
Vial: 24
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

MS Integration Params: rteint.p
 Quant Time: Sep 5 7:14 2006

Quant Results File: 8260B.RES

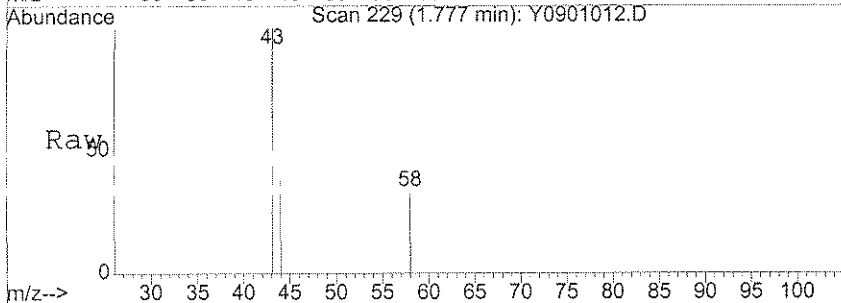
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.07	91	111		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	132		N.D.	
78) 4-Chlorotoluene	10.17	91	122		N.D.	
79) tert-Butylbenzene	10.51	119	66		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	273		N.D.	
81) sec-butylbenzene	10.72	105	296		N.D.	
82) 4-Isopropyltoluene	10.88	119	408		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	154		N.D.	
85) n-Butylbenzene	11.28	91	420		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	992		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

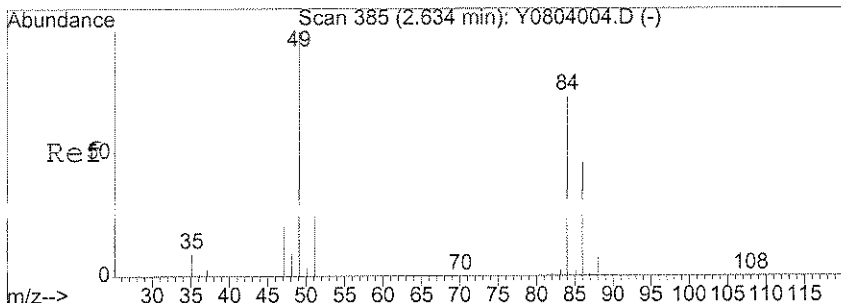
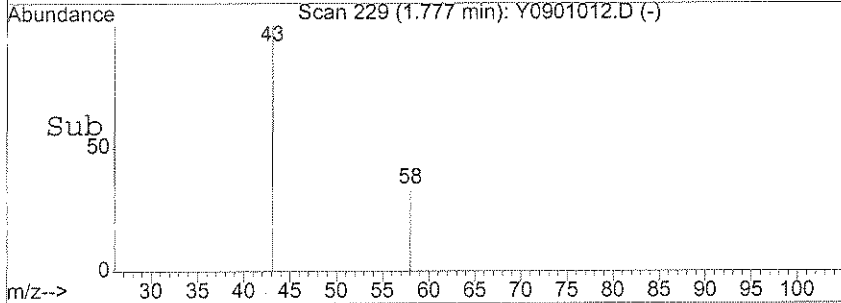
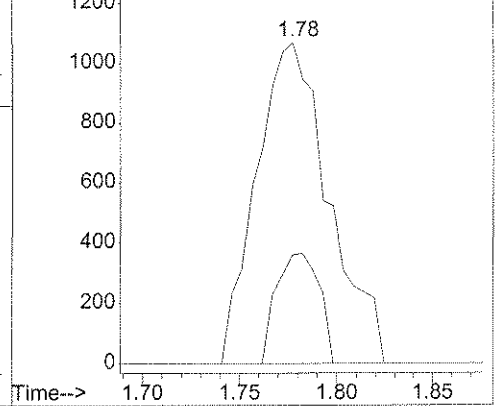


#11
 Acetone
 Concen: 3.83 ug/l
 RT: 1.78 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: Y0901012.D
 Acq: 1 Sep 2006 11:31

Tgt Ion:	43	Resp:	2763
Ion Ratio	Lower	Upper	
43	100		
58	20.3	27.7	41.5#

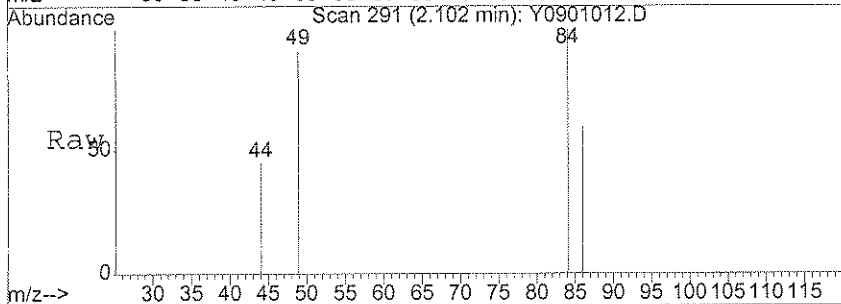


Abundance Ion 43.15 (42.85 to 43.85); Y0901012.D
 Ion 58.05 (57.75 to 58.75); Y0901012.D

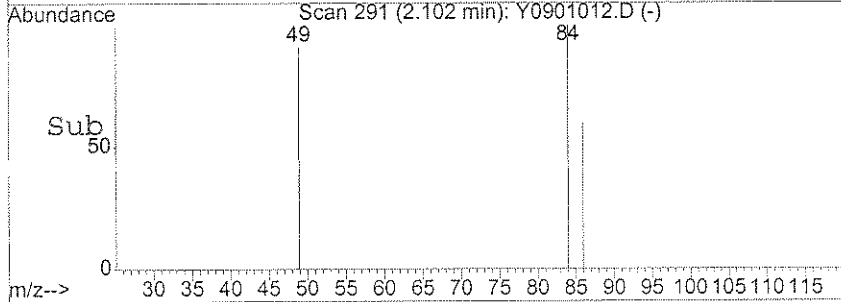
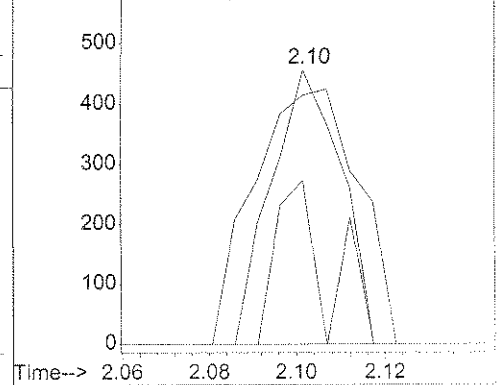


#18
 Methylene Chloride
 Concen: 1.08 ug/l
 RT: 2.10 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: Y0901012.D
 Acq: 1 Sep 2006 11:31

Tgt Ion:	84	Resp:	503
Ion Ratio	Lower	Upper	
84	100		
49	139.4	99.8	139.8
86	44.7	44.9	84.9#



Abundance Ion 84.00 (83.70 to 84.70); Y0901012.D
 Ion 49.00 (48.70 to 49.70); Y0901012.D
 Ion 86.00 (85.70 to 86.70); Y0901012.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901012.D Vial: 24
Acq On : 1 Sep 2006 11:31 Operator: LNW
Sample : JPL17-012 EB-6-8/22/06 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901012.D 8260B.M Tue Sep 05 07:15:29 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901011.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 11:06

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-013
 Lab File ID: Y0901011.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 11:06
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-013

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901011.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 11:06

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-013
 Lab File ID: Y0901011.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

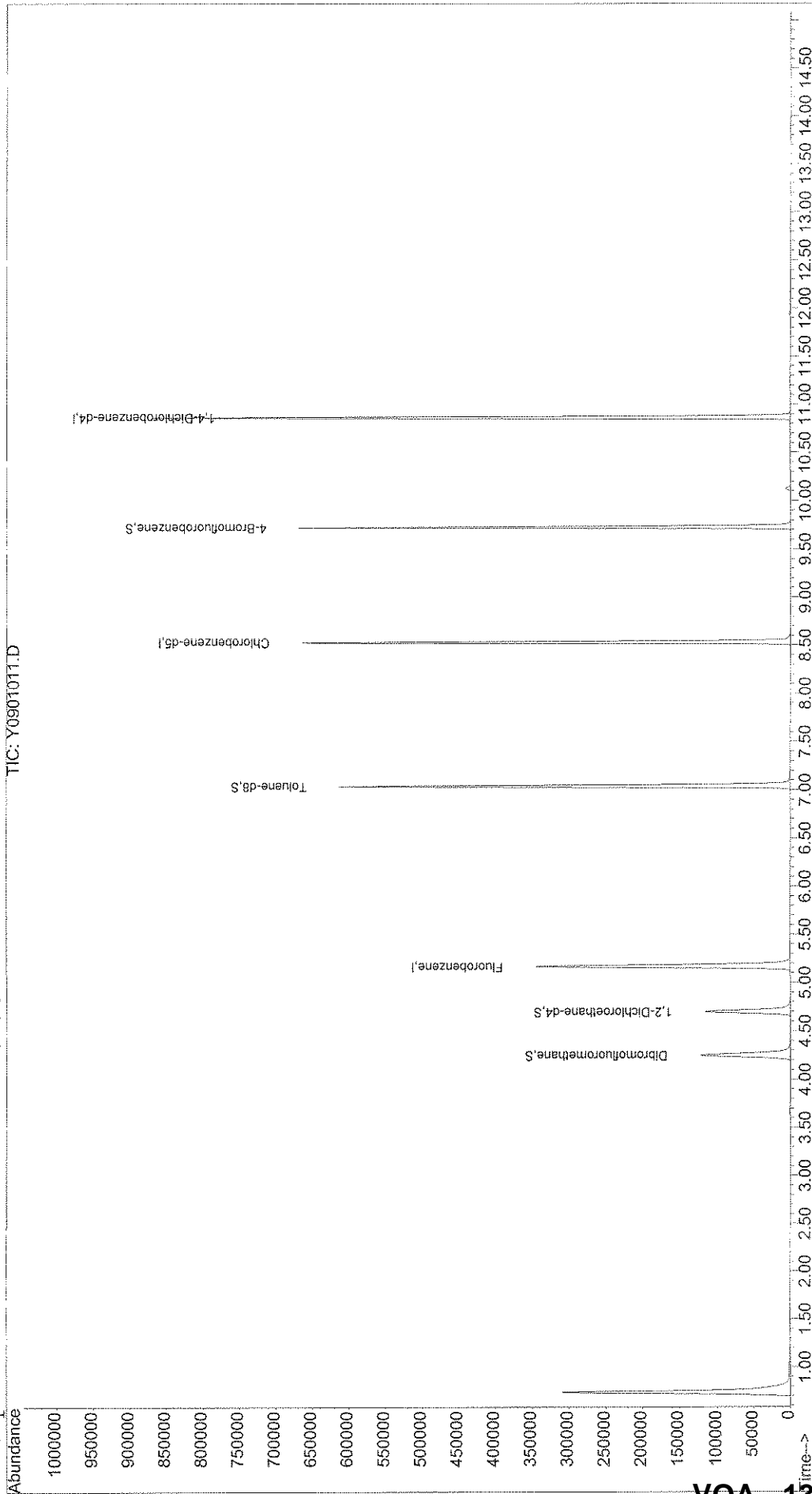
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901011.D Vial: 23
Acq On : 1 Sep 2006 11:06 Operator: LNW
Sample : JPL17-013 TB-6-8/22/06 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:03 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901011.D
 Acq On : 1 Sep 2006 11:06
 Sample : JPL17-013 TB-6-8/22/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:03 2006

Vial: 23
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	390330	50.00	ug/l	0.00 94.32%
50) Chlorobenzene-d5	8.53	82	173585	50.00	ug/l	0.00 94.17%
69) 1,4-Dichlorobenzene-d4	10.87	152	223240	50.00	ug/l	0.00 94.81%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	110186	51.89	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	105805	53.01	ug/l	0.00
51) Toluene-d8	7.04	98	395360	49.88	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	165039	51.43	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	64	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901011.D 8260B.M Tue Sep 05 07:04:06 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901011.D
 Acq On : 1 Sep 2006 11:06
 Sample : JPL17-013 TB-6-8/22/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:03 2006

Vial: 23
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.59	43	124		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	64		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.23	104	56		N.D.	
67) Bromoform	9.39	173	53		N.D.	
68) Isopropylbenzene	9.60	105	134		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901011.D 8260B.M Tue Sep 05 07:04:07 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901011.D
 Acq On : 1 Sep 2006 11:06
 Sample : JPL17-013 TB-6-8/22/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:03 2006

Vial: 23
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.07	91	57		N.D.	
77) 1,3,5-Trimethylbenzene	10.19	105	192		N.D.	
78) 4-Chlorotoluene	10.18	91	186		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	257		N.D.	
81) sec-butylbenzene	10.72	105	276		N.D.	
82) 4-Isopropyltoluene	10.88	119	549		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	302		N.D.	
85) n-Butylbenzene	11.28	91	426		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	144		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	379		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901011.D Vial: 23
Acq On : 1 Sep 2006 11:06 Operator: LNW
Sample : JPL17-013 TB-6-8/22/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901011.D 8260B.M Tue Sep 05 07:04:13 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-014
 Lab File ID: Y0901022.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 15:38
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-014

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901022.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 15:38

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-014
 Lab File ID: Y0901022.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 15:38
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-11-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-014
 Lab File ID: Y0901022.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

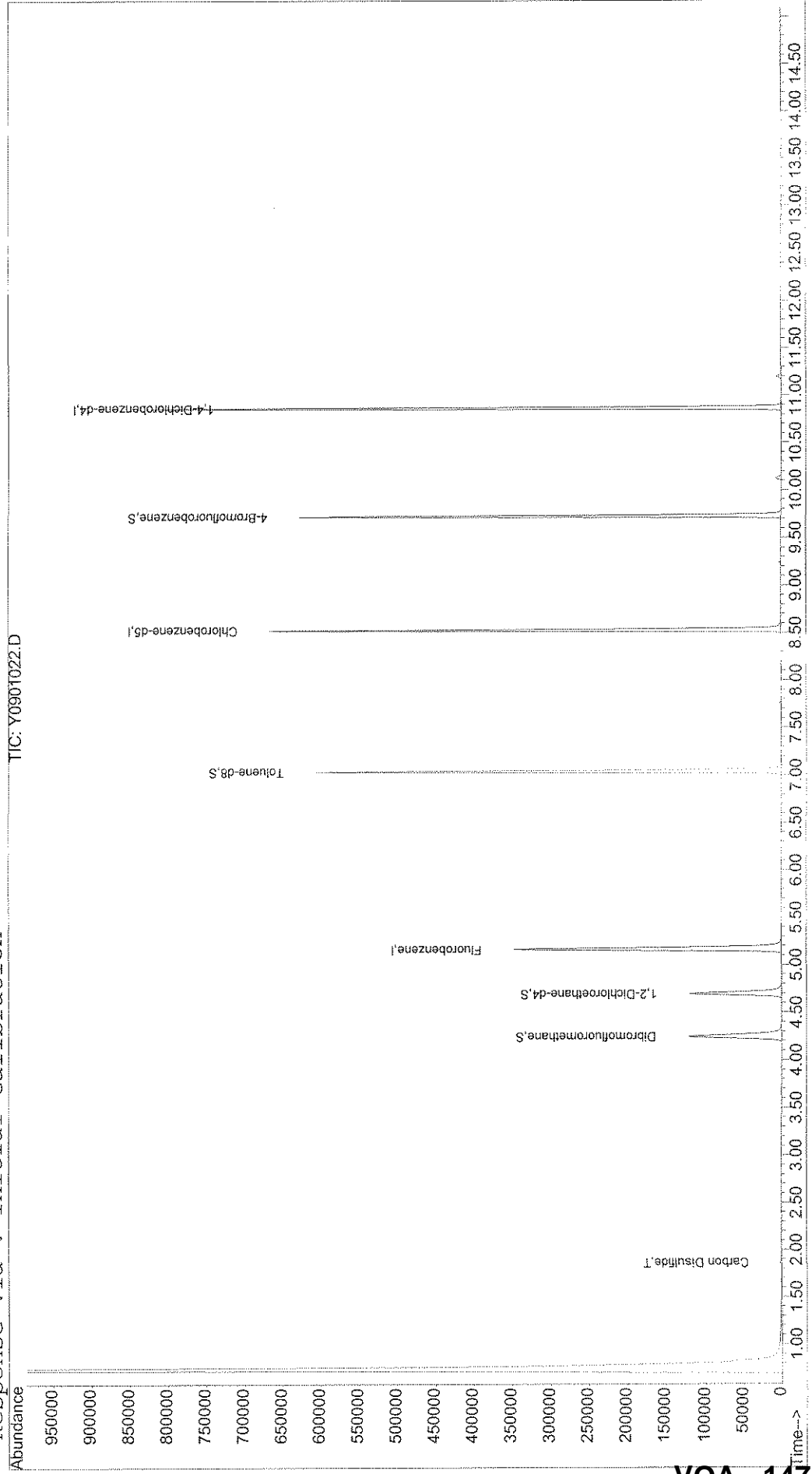
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901022.D Vial: 32
Acq On : 1 Sep 2006 15:38 Operator: LNW
Sample : JPL17-014 MW-11-4 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:31 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901022.D
 Acq On : 1 Sep 2006 15:38
 Sample : JPL17-014 MW-11-4
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:31 2006

Vial: 32
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	384187	50.00	ug/l	0.00	92.84%
50) Chlorobenzene-d5	8.53	82	172318	50.00	ug/l	0.00	93.48%
69) 1,4-Dichlorobenzene-d4	10.87	152	207026	50.00	ug/l	0.00	87.93%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	108978	52.14	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	106110	54.02	ug/l	0.00	
51) Toluene-d8	7.04	98	389442	49.49	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	155786	52.34	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	2967	0.54	ug/l	100
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

LNW 9/5/06

(#) = qualifier out of range (m) = manual integration
 Y0901022.D 8260B.M Tue Sep 05 07:31:33 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901022.D
 Acq On : 1 Sep 2006 15:38
 Sample : JPL17-014 MW-11-4
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:31 2006

Vial: 32
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.12	92	344		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	381		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	1250		N.D.	
67) Bromoform	9.38	173	128		N.D.	
68) Isopropylbenzene	9.60	105	55		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901022.D 8260B.M Tue Sep 05 07:31:34 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901022.D
 Acq On : 1 Sep 2006 15:38
 Sample : JPL17-014 MW-11-4
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:31 2006

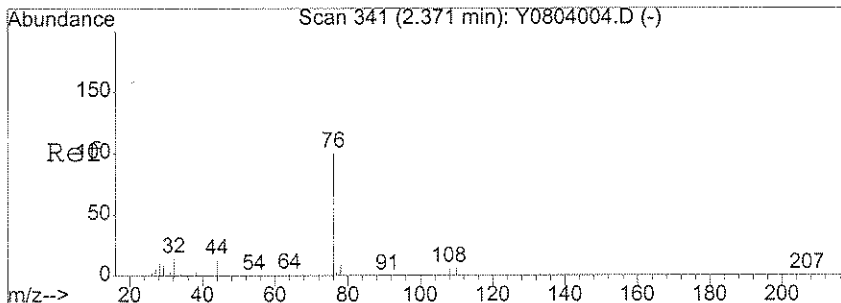
Vial: 32
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

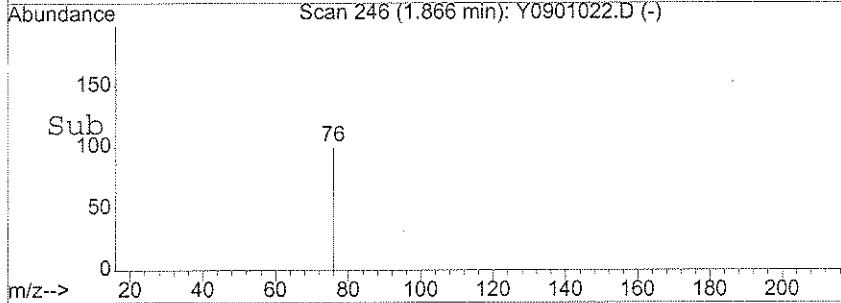
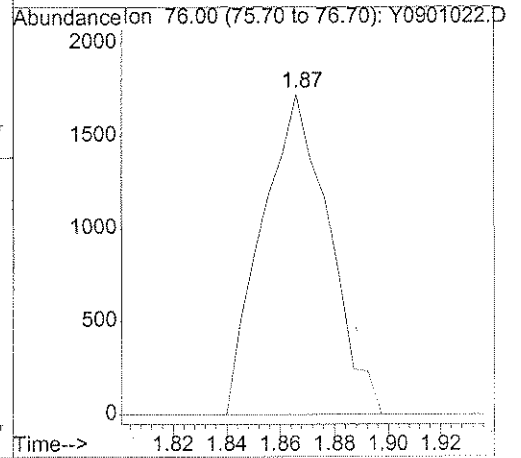
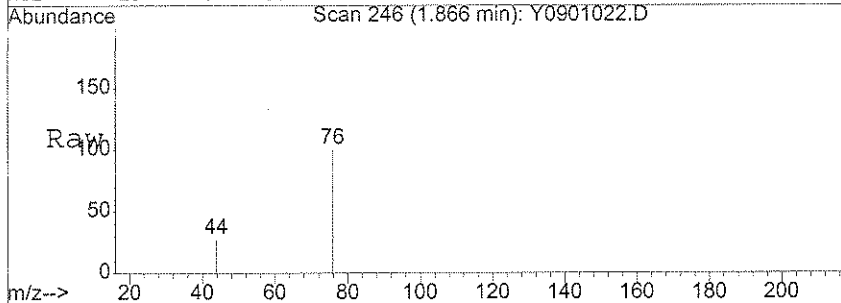
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	54		N.D.	
81) sec-butylbenzene	10.55	105	54		N.D.	
82) 4-Isopropyltoluene	10.88	119	113		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.28	91	55		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	72		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901022.D 8260B.M Tue Sep 05 07:31:34 2006



#14
 Carbon Disulfide
 Concen: 0.54 ug/l
 RT: 1.87 min Scan# 246
 Delta R.T. 0.01 min
 Lab File: Y0901022.D
 Acq: 1 Sep 2006 15:38

Tgt Ion: 76 Resp: 2967



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901022.D Vial: 32
Acq On : 1 Sep 2006 15:38 Operator: LNW
Sample : JPL17-014 MW-11-4 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901022.D 8260B.M Tue Sep 05 07:31:39 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-015
 Lab File ID: Y0901023.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 16:03
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-015
 Lab File ID: Y0901023.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 16:03
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-015

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901023.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 16:03

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-11-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-015
 Lab File ID: Y0901023.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

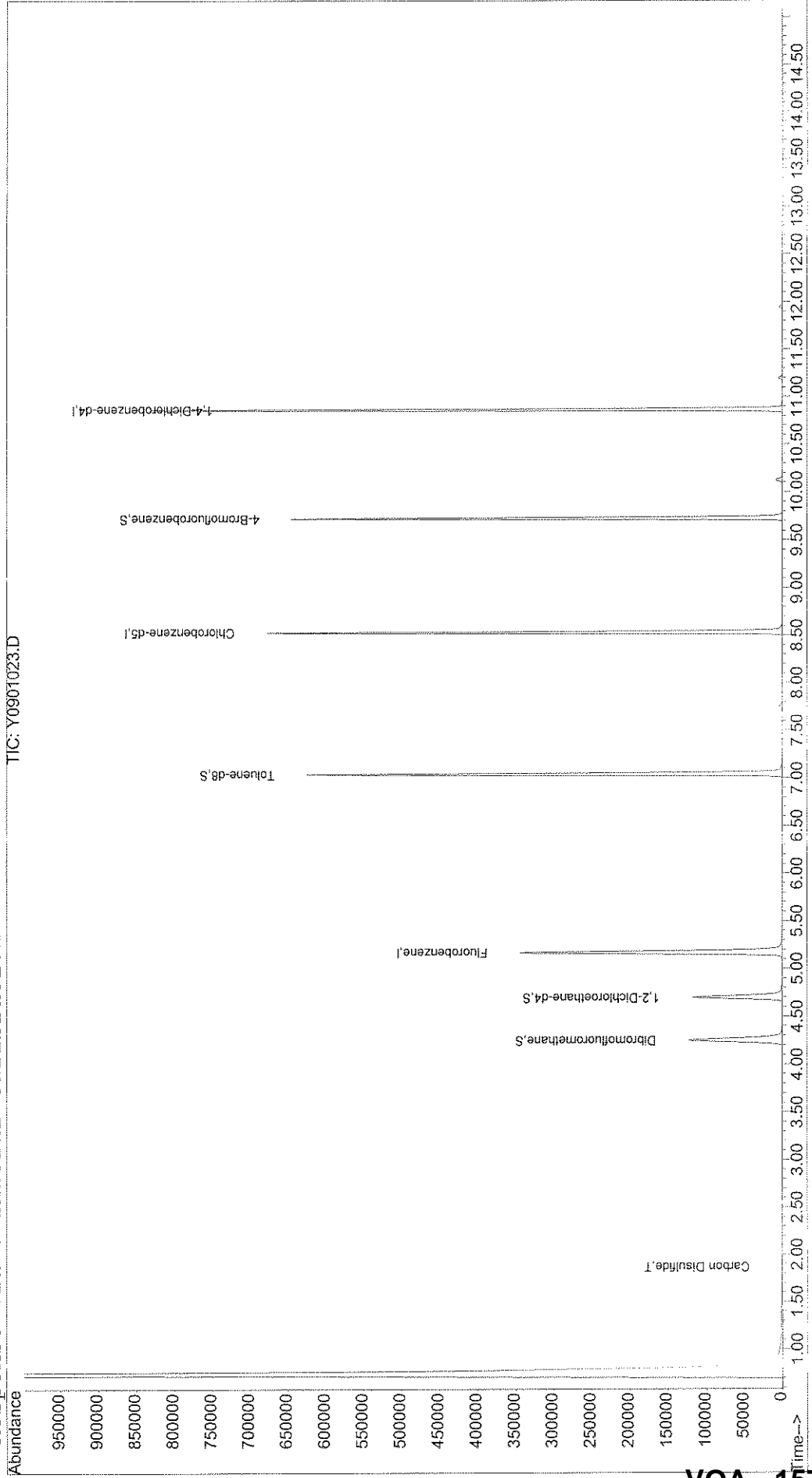
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901023.D Vial: 33
Acq On : 1 Sep 2006 16:03 Operator: LNW
Sample : JPL17-015 MW-11-3 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:32 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901023.D
 Acq On : 1 Sep 2006 16:03
 Sample : JPL17-015 MW-11-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:32 2006

Vial: 33
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)	Rcv (Ar)
1) Fluorobenzene	5.17	96	389828	50.00	ug/l	0.00	94.20%
50) Chlorobenzene-d5	8.53	82	175220	50.00	ug/l	0.00	95.05%
69) 1,4-Dichlorobenzene-d4	10.87	152	212705	50.00	ug/l	0.00	90.34%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	110848	52.27	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	106507	53.44	ug/l	0.00	
51) Toluene-d8	7.04	98	396190	49.52	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	161845	52.93	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	1966	0.35	ug/l	100
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

Yr 9/15/06

(#) = qualifier out of range (m) = manual integration
 Y0901023.D 8260B.M Tue Sep 05 07:32:33 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901023.D
 Acq On : 1 Sep 2006 16:03
 Sample : JPL17-015 MW-11-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:32 2006

Vial: 33
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.02	83	53		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	122		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.12	92	264		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.71	91	271		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	155		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.38	173	54		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901023.D 8260B.M Tue Sep 05 07:32:34 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901023.D
 Acq On : 1 Sep 2006 16:03
 Sample : JPL17-015 MW-11-3
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:32 2006

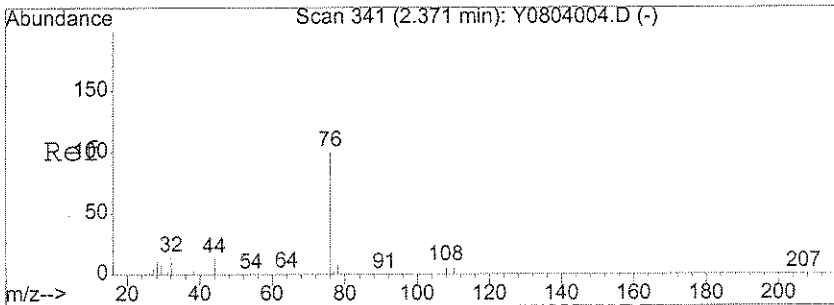
Vial: 33
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

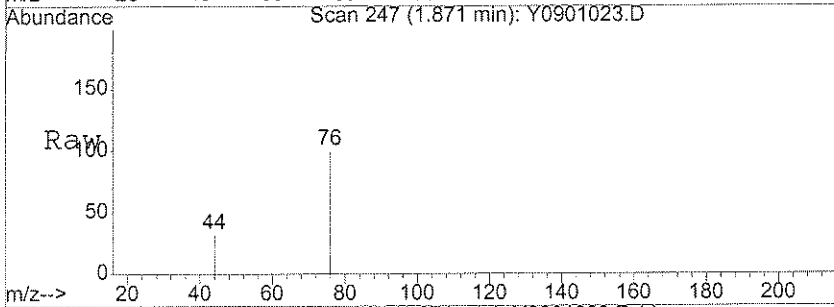
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.86	119	80		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	0.00	91	0		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	56		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

 (#) = qualifier out of range (m) = manual integration
 Y0901023.D 8260B.M Tue Sep 05 07:32:34 2006

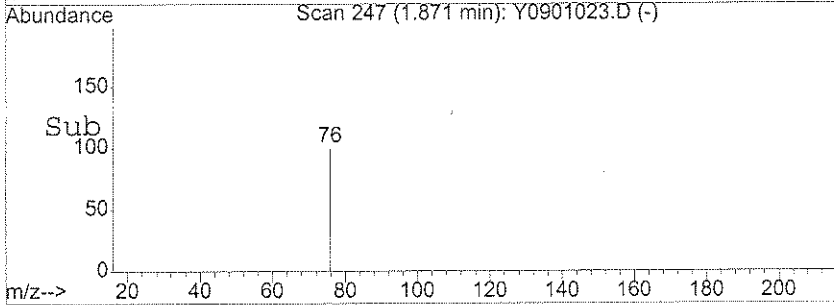
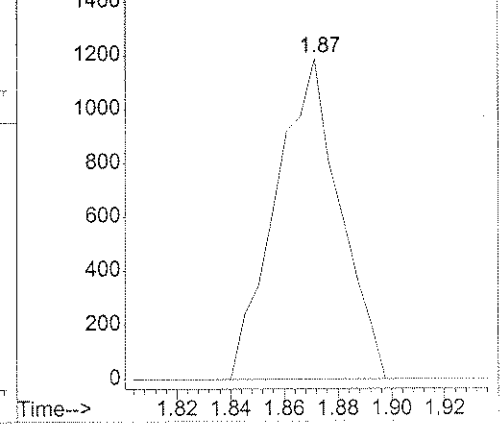


#14
 Carbon Disulfide
 Concen: 0.35 ug/l
 RT: 1.87 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: Y0901023.D
 Acq: 1 Sep 2006 16:03

Tgt Ion: 76 Resp: 1966



Abundance Ion 76.00 (75.70 to 76.70): Y0901023.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901023.D Vial: 33
Acq On : 1 Sep 2006 16:03 Operator: LNW
Sample : JPL17-015 MW-11-3 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901023.D 8260B.M Tue Sep 05 07:32:38 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901024.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 16:28

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-016
 Lab File ID: Y0901024.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 16:28
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901024.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 16:28

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-11-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-016
 Lab File ID: Y0901024.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

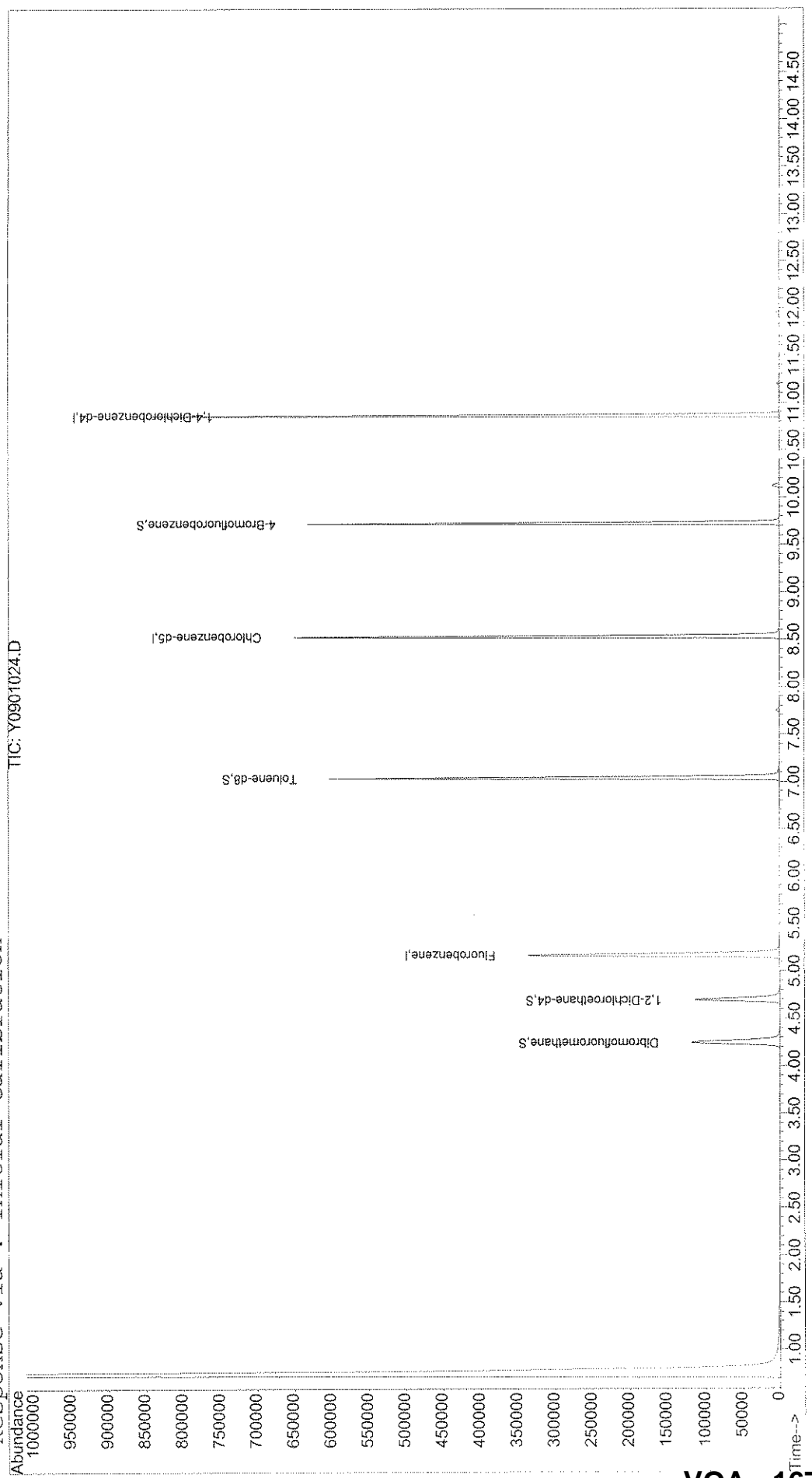
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901024.D Vial: 34
Acq On : 1 Sep 2006 16:28 Operator: LNW
Sample : JPL17-016 MW-11-2 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:33 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901024.D
 Acq On : 1 Sep 2006 16:28
 Sample : JPL17-016 MW-11-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:33 2006

Vial: 34
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.17	96	378474	50.00	ug/l	0.00 91.45%
50) Chlorobenzene-d5	8.53	82	168543	50.00	ug/l	0.00 91.43%
69) 1,4-Dichlorobenzene-d4	10.87	152	211907	50.00	ug/l	0.00 90.00%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	108599	52.75	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	103762	53.62	ug/l	0.00
51) Toluene-d8	7.04	98	381162	49.53	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	158013	51.87	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	838	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901024.D 8260B.M Tue Sep 05 07:33:32 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901024.D
 Acq On : 1 Sep 2006 16:28
 Sample : JPL17-016 MW-11-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:33 2006

Vial: 34
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.00	83	73		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	137		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	140		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	126		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	112		N.D.	
68) Isopropylbenzene	9.72	105	203		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901024.D 8260B.M Tue Sep 05 07:33:32 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901024.D
 Acq On : 1 Sep 2006 16:28
 Sample : JPL17-016 MW-11-2
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:33 2006

Vial: 34
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.88	119	59		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	74		N.D.	
85) n-Butylbenzene	0.00	91	0		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

 (#) = qualifier out of range (m) = manual integration
 Y0901024.D 8260B.M Tue Sep 05 07:33:33 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901024.D Vial: 34
Acq On : 1 Sep 2006 16:28 Operator: LNW
Sample : JPL17-016 MW-11-2 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901024.D 8260B.M Tue Sep 05 07:33:38 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL17
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-017
 Lab File ID: Y0901025.D
 Date Collected: 08/22/2006
 Date/Time Analyzed: 09/01/2006 16:52
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-017

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901025.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 16:52

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-11-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL17-017

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901025.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 16:52

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-11-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-017

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901025.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

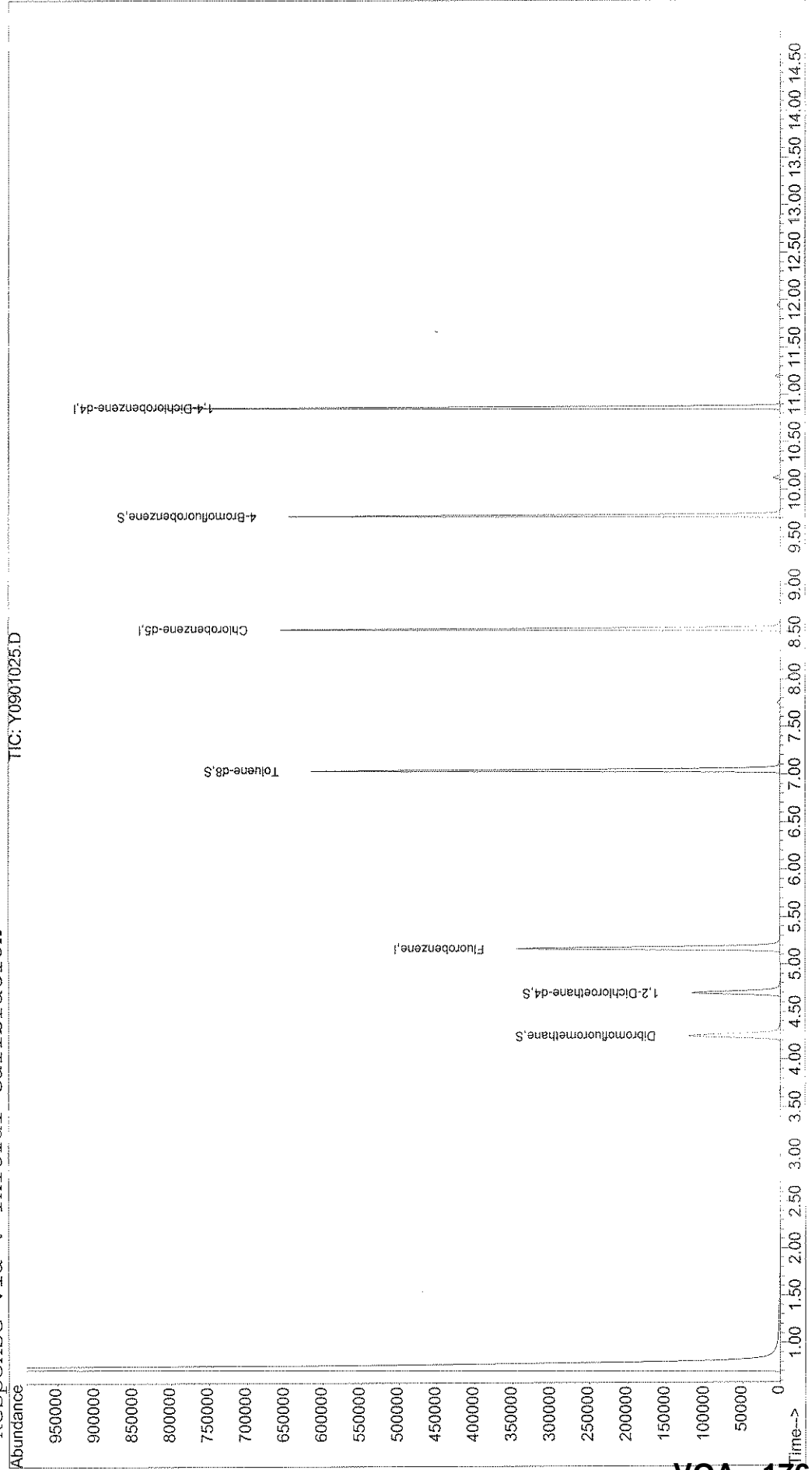
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901025.D Vial: 35
Acq On : 1 Sep 2006 16:52 Operator: LNW
Sample : JPL17-017 MW-11-1 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:34 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901025.D
 Acq On : 1 Sep 2006 16:52
 Sample : JPL17-017 MW-11-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:34 2006

Vial: 35
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	384473	50.00	ug/l	0.00 92.90%
50) Chlorobenzene-d5	8.53	82	172589	50.00	ug/l	0.00 93.63%
69) 1,4-Dichlorobenzene-d4	10.87	152	208244	50.00	ug/l	0.00 88.44%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	110696	52.93	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	106266	54.06	ug/l	0.00
51) Toluene-d8	7.04	98	390000	49.49	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	156943	52.42	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.77	43	63	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	558	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901025.D 8260B.M Tue Sep 05 07:34:27 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901025.D
 Acq On : 1 Sep 2006 16:52
 Sample : JPL17-017 MW-11-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:34 2006

Vial: 35
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	151		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.71	91	65		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	147		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.23	104	63		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	74		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901025.D 8260B.M Tue Sep 05 07:34:27 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901025.D
 Acq On : 1 Sep 2006 16:52
 Sample : JPL17-017 MW-11-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:34 2006

Vial: 35
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.87	119	63		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	0.00	91	0		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901025.D 8260B.M Tue Sep 05 07:34:28 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901025.D Vial: 35
Acq On : 1 Sep 2006 16:52 Operator: LNW
Sample : JPL17-017 MW-11-1 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901025.D 8260B.M Tue Sep 05 07:34:31 2006

Miscellaneous Inorganic Data

JPL17

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: LAUCKS TESTING LABS, INC.

Lab Code: LAUCKS

SDG No.: JPL17

Client Identification	Lab Sample Work Order Number
MW-20-5	JPL17-001DL
MW-20-4	JPL17-002DL
MW-20-3	JPL17-003DL
MW-20-2	JPL17-004DL
MW-20-2MS	JPL17-004MS
MW-20-2MSD	JPL17-004MSD
MW-20-1	JPL17-005DL
EB-5-8/21/06	JPL17-006
MW-4-3	JPL17-008DL
MW-4-2	JPL17-009DL
MW-4-1	JPL17-010DL
Dupe-1-3Q06	JPL17-011DL
EB-6-8/22/06	JPL17-012
MW-11-4	JPL17-014
MW-11-3	JPL17-015DL
MW-11-2	JPL17-016DL
MW-11-1	JPL17-017
MW-11-1MS	JPL17-017MS
MW-11-1MSD	JPL17-017MSD

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: *Jennifer Penner*

Name: *Jennifer Penner*

Date: *9-8-06*

Title: *Inorganics Lead*

Inorganic Analysis Data Sheets

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-20-5 **Date/Time Collected:** 08/21/2006 08:17
Lab Sample ID: JPL17-001 **Date/Time Received:** 08/22/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-20-4 **Date/Time Collected:** 08/21/2006 08:52
Lab Sample ID: JPL17-002 **Date/Time Received:** 08/22/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-20-3 **Date/Time Collected:** 08/21/2006 09:26
Lab Sample ID: JPL17-003 **Date/Time Received:** 08/22/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-20-2 **Date/Time Collected:** 08/21/2006 10:00
Lab Sample ID: JPL17-004 **Date/Time Received:** 08/22/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-20-1 **Date/Time Collected:** 08/21/2006 10:50
Lab Sample ID: JPL17-005 **Date/Time Received:** 08/22/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: EB-5-8/21/06 Date/Time Collected: 08/21/2006 10:38
Lab Sample ID: JPL17-006 Date/Time Received: 08/22/2006 08:30
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.54	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-4-3 **Date/Time Collected:** 08/22/2006 07:57
Lab Sample ID: JPL17-008 **Date/Time Received:** 08/23/2006 08:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-4-2 **Date/Time Collected:** 08/22/2006 08:21
Lab Sample ID: JPL17-009 **Date/Time Received:** 08/23/2006 08:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: Dupe-1-3Q06 **Date/Time Collected:** 08/22/2006 00:00
Lab Sample ID: JPL17-011 **Date/Time Received:** 08/23/2006 08:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-11-4 Date/Time Collected: 08/22/2006 10:10
Lab Sample ID: JPL17-014 Date/Time Received: 08/23/2006 08:20
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.54	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-11-3 Date/Time Collected: 08/22/2006 10:38
Lab Sample ID: JPL17-015 Date/Time Received: 08/23/2006 08:20
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/06/2006	09/07/2006	R010229

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL17
Sample Number: MW-11-2 **Date/Time Collected:** 08/22/2006 11:03
Lab Sample ID: JPL17-016 **Date/Time Received:** 08/23/2006 08:20
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/06/2006	09/07/2006	R010229

Metals Data

JPL17

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

SOW No.: _____

Sample No.	Lab Sample ID
MW-20-4	JPL17-002
MW-20-3	JPL17-003
MW-20-2	JPL17-004
MW-20-2MS	JPL17-004MS
MW-20-2MSD	JPL17-004MSD
MW-20-1	JPL17-005
EB-5-8/21/06	JPL17-006
MW-4-3	JPL17-008
MW-4-2	JPL17-009
MW-4-1	JPL17-010
Dupe-1-3Q06	JPL17-011
EB-6-8/22/06	JPL17-012
MW-11-3	JPL17-015
MW-11-2	JPL17-016
MW-11-1	JPL17-017
MW-20-5	zzzzzz5

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No NO

If yes-was raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is technically complete, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Cheronne Oreiro

Date: 09/13/2006

Title: Metals Lead

Metals Analysis Data Sheets

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-20-5

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-001

Level (low/med): LOW

Date Received: 08/22/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.61		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-20-4

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-002

Level (low/med): LOW

Date Received: 08/22/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.57		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-20-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-003

Level (low/med): LOW

Date Received: 08/22/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.88		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-20-2

Lab Name: Laucks LaboratoriesContract: JPL Groundwater MonitorinLab Code: LAUCKSSDG No.: JPL17Matrix (soil/water): WaterLab Sample ID: JPL17-004Level (low/med): LOWDate Received: 08/22/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.21		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____Color After: Colorless Clarity After: Clear Artifacts: NoComment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-20-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-005

Level (low/med): LOW

Date Received: 08/22/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.40		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-5-8/21/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-006

Level (low/med): LOW

Date Received: 08/22/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.46		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-4-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-008

Level (low/med): LOW

Date Received: 08/23/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	0.976		N*		R010430

Color Before: Yellow Clarity Before: Clear Texture: _____

Color After: Yellow Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-4-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-009

Level (low/med): LOW

Date Received: 08/23/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.20		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-4-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-010

Level (low/med): LOW

Date Received: 08/23/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.73		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

Dupe-1-3Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-011

Level (low/med): LOW

Date Received: 08/23/2006

% Solids: _____

Concentration Units : uc/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.76		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-6-8/22/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-012

Level (low/med): LOW

Date Received: 08/23/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.29		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-11-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-015

Level (low/med): LOW

Date Received: 08/23/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.54		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-11-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-016

Level (low/med): LOW

Date Received: 08/23/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.64		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-11-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL17

Matrix (soil/water): Water

Lab Sample ID: JPL17-017

Level (low/med): LOW

Date Received: 08/23/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.46		N*		R010430

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-5

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010156
 Lab Sample ID: JPL17-001
 Lab File ID: Y0831058.D
 Date Collected: 08/22/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-4

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010156

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0831059.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901013.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-004
 Lab File ID: Y0901014.D
 Date Collected: 08/22/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-20-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-005
 Lab File ID: Y0901015.D
 Date Collected: 08/22/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901010.D

Level: (LOW/MED) _____

Date Collected: 08/22/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-5-8/21/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 1

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-007
 Lab File ID: Y0901009.D
 Date Collected: 08/21/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

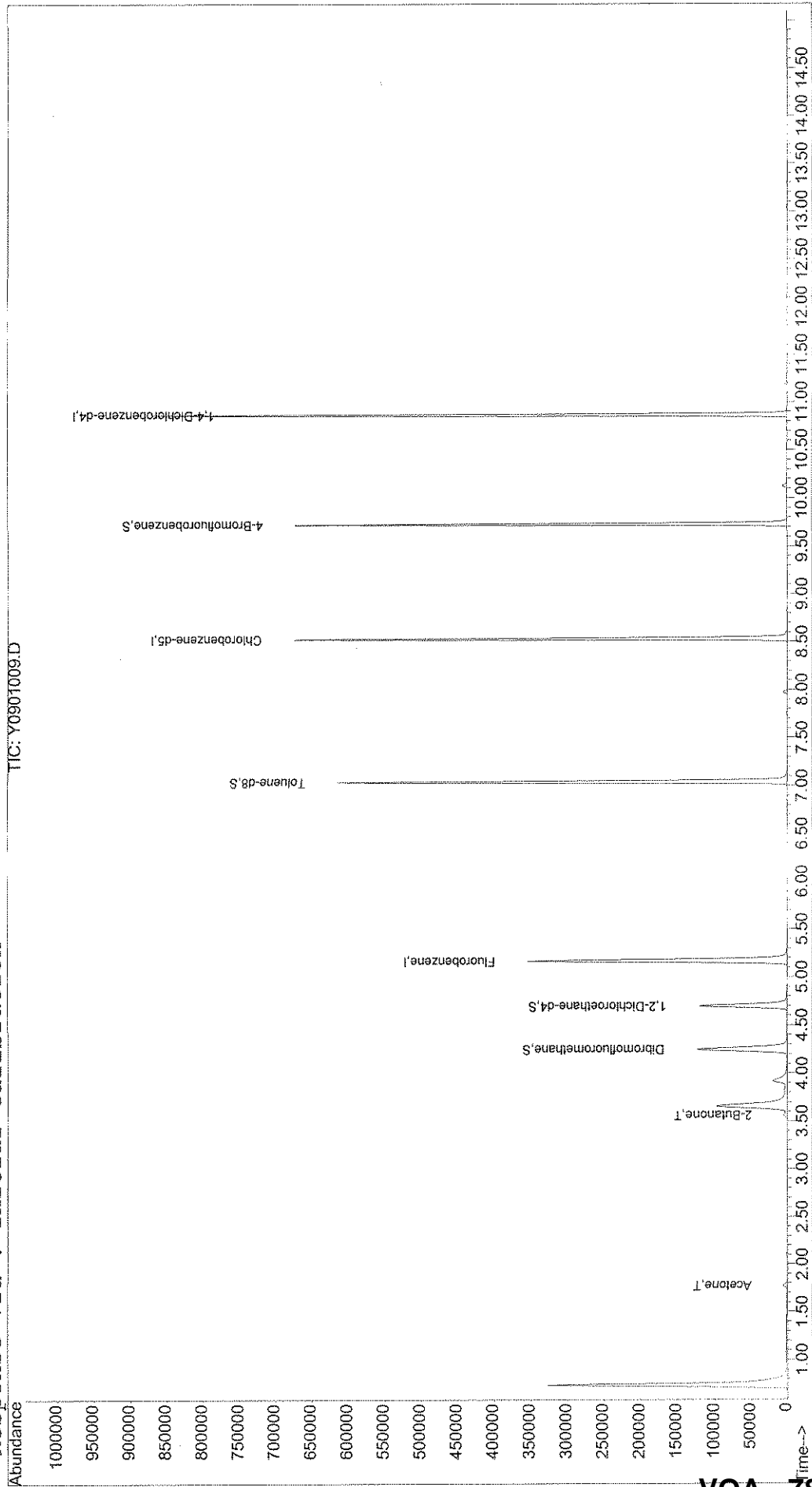
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		unknown	3.66	19	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901009.D Vial: 21
Acq On : 1 Sep 2006 10:16 Operator: LNW
Sample : JPL17-007 TB-5-8/21/06 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 1 12:21 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 78

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901009.D
 Acq On : 1 Sep 2006 10:16
 Sample : JPL17-007 TB-5-8/21/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 12:21 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	394416	50.00	ug/l	0.00 95.31%
50) Chlorobenzene-d5	8.53	82	175571	50.00	ug/l	0.00 95.24%
69) 1,4-Dichlorobenzene-d4	10.87	152	222025	50.00	ug/l	0.00 94.30%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	110536	51.52	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	105363	52.25	ug/l	0.00
51) Toluene-d8	7.04	98	397252	49.55	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	164408	51.51	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	10249	14.74	ug/l #	88
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.86	76	231	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901009.D 8260B.M Fri Sep 01 12:22:08 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901009.D
 Acq On : 1 Sep 2006 10:16
 Sample : JPL17-007 TB-5-8/21/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 12:21 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.56	43	11021	12.06	ug/l	# ✓ 94
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.	d	
31) Chloroform	0.00	83	0	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.49	75	595	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	0.00	130	0	N.D.		
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	6.99	43	61	N.D.		
52) Toluene	7.11	92	337	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	0.00	166	0	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.	d	
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	8.55	112	68	N.D.		
62) Ethylbenzene	8.70	91	335	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.82	106	354	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	9.23	104	146	N.D.		
67) Bromoform	9.38	173	54	N.D.		
68) Isopropylbenzene	9.60	105	347	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	10.20	120	65	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

QPL 9/1/06

(#) = qualifier out of range (m) = manual integration
 Y0901009.D 8260B.M Fri Sep 01 12:22:09 2006

Quantitation Report

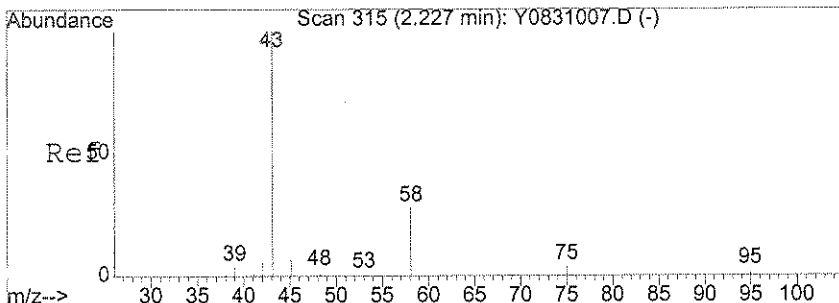
Data File : Q:\MSDCHEM\1\DATA\090106\Y0901009.D
 Acq On : 1 Sep 2006 10:16
 Sample : JPL17-007 TB-5-8/21/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 1 12:21 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

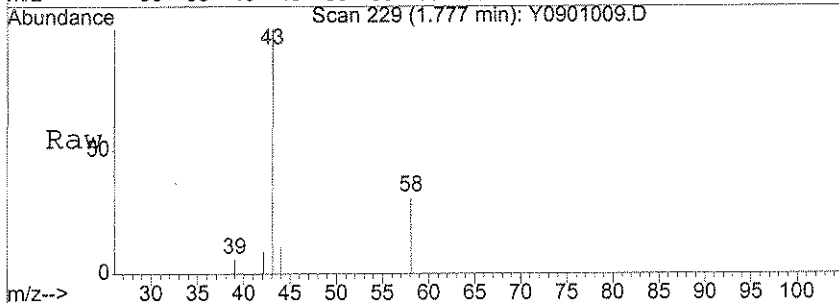
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	215		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	377		N.D.	
78) 4-Chlorotoluene	10.17	91	343		N.D.	
79) tert-Butylbenzene	10.50	119	337		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	1045		N.D.	
81) sec-butylbenzene	10.72	105	513		N.D.	
82) 4-Isopropyltoluene	10.88	119	951		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	66		N.D.	
84) 1,4-Dichlorobenzene	10.88	146	412		N.D.	
85) n-Butylbenzene	11.28	91	797		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	263		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	1491		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

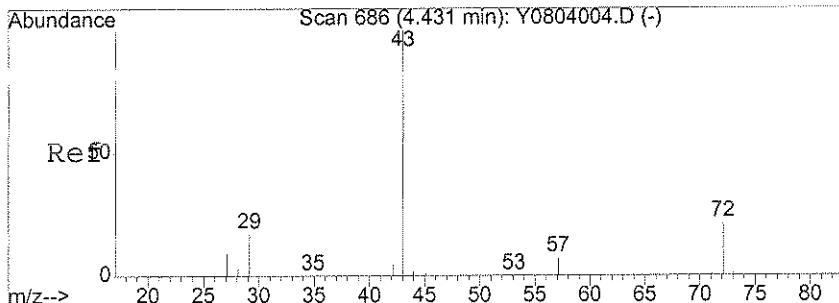
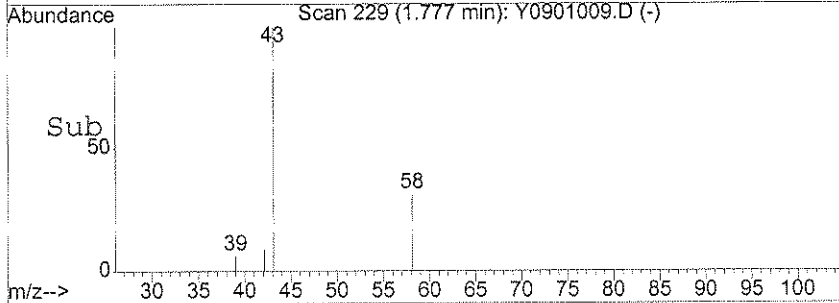
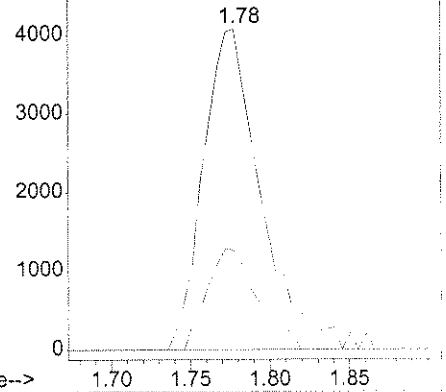


#11
 Acetone
 Concen: 14.74 ug/l
 RT: 1.78 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: Y0901009.D
 Acq: 1 Sep 2006 10:16

Tgt Ion: 43 Resp: 10249
 Ion Ratio Lower Upper
 43 100
 58 27.6 27.7 41.5#

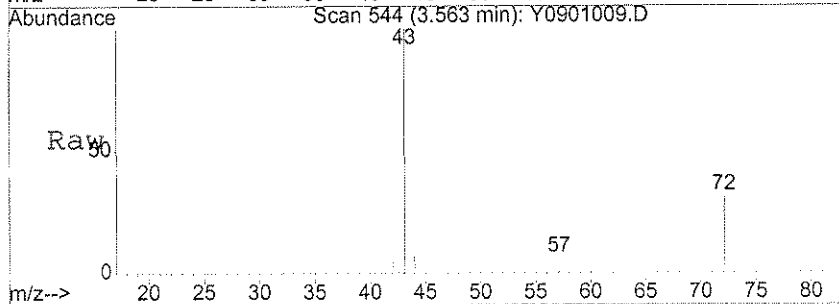


Abundance Ion 43.15 (42.85 to 43.85): Y0901009.D
 Ion 58.05 (57.75 to 58.75): Y0901009.D

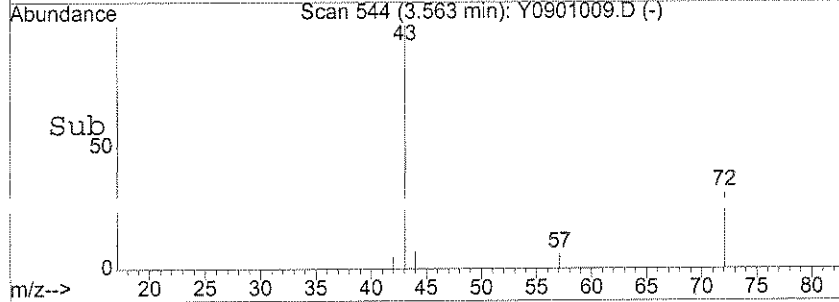
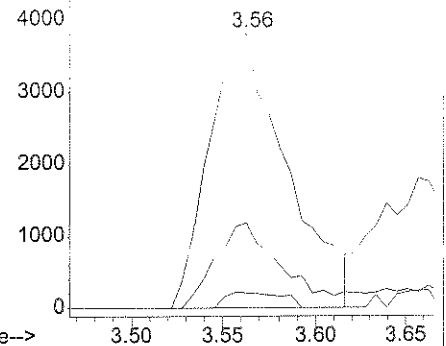


#27
 2-Butanone
 Concen: 12.06 ug/l
 RT: 3.56 min Scan# 544
 Delta R.T. 0.00 min
 Lab File: Y0901009.D
 Acq: 1 Sep 2006 10:16

Tgt Ion: 43 Resp: 11021
 Ion Ratio Lower Upper
 43 100
 72 26.1 19.0 28.6
 57 4.2 6.2 9.2#



Abundance Ion 43.15 (42.85 to 43.85): Y0901009.D
 Ion 72.15 (71.85 to 72.85): Y0901009.D
 Ion 57.00 (56.70 to 57.70): Y0901009.D



Tentatively Identified Compound (LSC) summary

Operator ID: LNW Date Acquired: 1 Sep 2006 10:16
Data File: Q:\MSDCHEM\1\DATA\090106\Y0901009.D
Name: JPL17-007 TB-5-8/21/06
Misc: 5mL+IS/SS #1
Method: Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title: VOA Standards for 5 point calibration 8260- 5ML
Library Searched: D:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
unknown	3.66	18.9	ug/l	292065	ISTD01	5.17	770684	50.0
Y0901009.D 8260B.M								

Fri Sep 01 12:23:34 2006

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-4-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-008
 Lab File ID: Y0901016.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-4-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-009
 Lab File ID: Y0901019.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-4-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-010
 Lab File ID: Y0901020.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Dupe-1-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-011
 Lab File ID: Y0901021.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901012.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-6-8/22/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-013
 Lab File ID: Y0901011.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-11-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-014
 Lab File ID: Y0901022.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-11-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-015
 Lab File ID: Y0901023.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-11-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL17
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL17-016
 Lab File ID: Y0901024.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-11-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL17

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL17-017

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901025.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

SAMPLE DATA

SDG # JPL18

Volatiles Analysis

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-24-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901026.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 17:17

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-24-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901026.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 17:17

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-24-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-002
 Lab File ID: Y0901026.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/01/2006 17:17
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-24-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL18-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901026.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

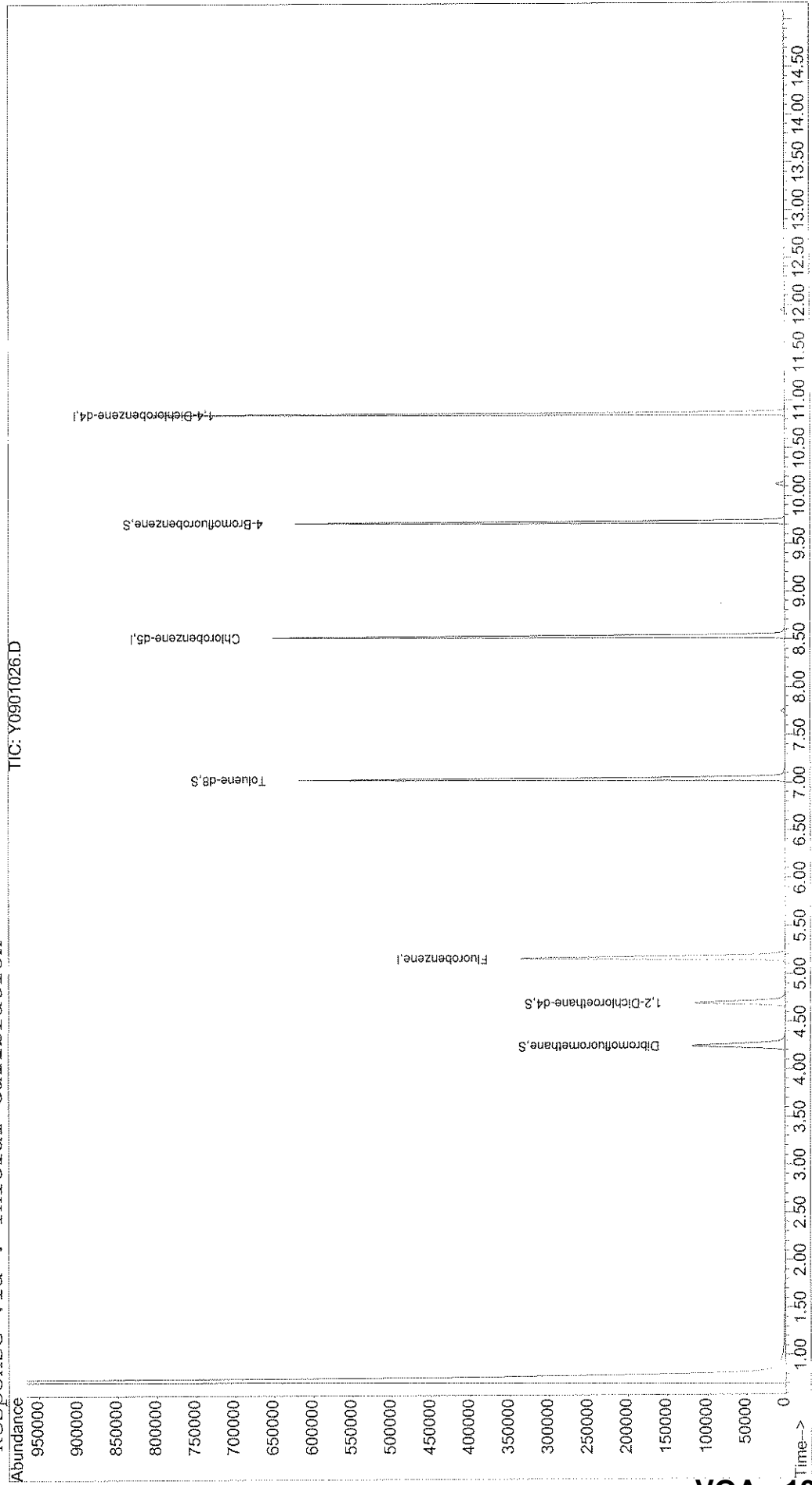
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901026.D Vial: 36
Acq On : 1 Sep 2006 17:17 Operator: LNW
Sample : JPL18-002 MW-24-3 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:35 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901026.D
 Acq On : 1 Sep 2006 17:17
 Sample : JPL18-002 MW-24-3
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:35 2006

Vial: 36
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	379843	50.00	ug/l	0.00 91.79%
50) Chlorobenzene-d5	8.53	82	169873	50.00	ug/l	0.00 92.15%
69) 1,4-Dichlorobenzene-d4	10.87	152	205547	50.00	ug/l	0.00 87.30%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	108225	52.38	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	106903	55.04	ug/l	0.00
51) Toluene-d8	7.04	98	386516	49.83	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	156671	53.02	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.77	43	69	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	705	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901026.D 8260B.M Tue Sep 05 07:35:27 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901026.D
 Acq On : 1 Sep 2006 17:17
 Sample : JPL18-002 MW-24-3
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:35 2006

Vial: 36
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	144		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.69	166	110		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	132		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.82	106	203		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.38	173	55		N.D.	
68) Isopropylbenzene	9.73	105	54		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901026.D 8260B.M Tue Sep 05 07:35:27 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901026.D
 Acq On : 1 Sep 2006 17:17
 Sample : JPL18-002 MW-24-3
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:35 2006

Vial: 36
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	0.00	119	0		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	70		N.D.	
85) n-Butylbenzene	11.28	91	61		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0901026.D 8260B.M Tue Sep 05 07:35:28 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901026.D Vial: 36
Acq On : 1 Sep 2006 17:17 Operator: LNW
Sample : JPL18-002 MW-24-3 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901026.D 8260B.M Tue Sep 05 07:35:32 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-24-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901027.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 17:42

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.83	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	2.0	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.33	J
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-24-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901027.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 17:42

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-24-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-003

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901027.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 17:42

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-24-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-003
 Lab File ID: Y0901027.D
 Date Collected: 08/24/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

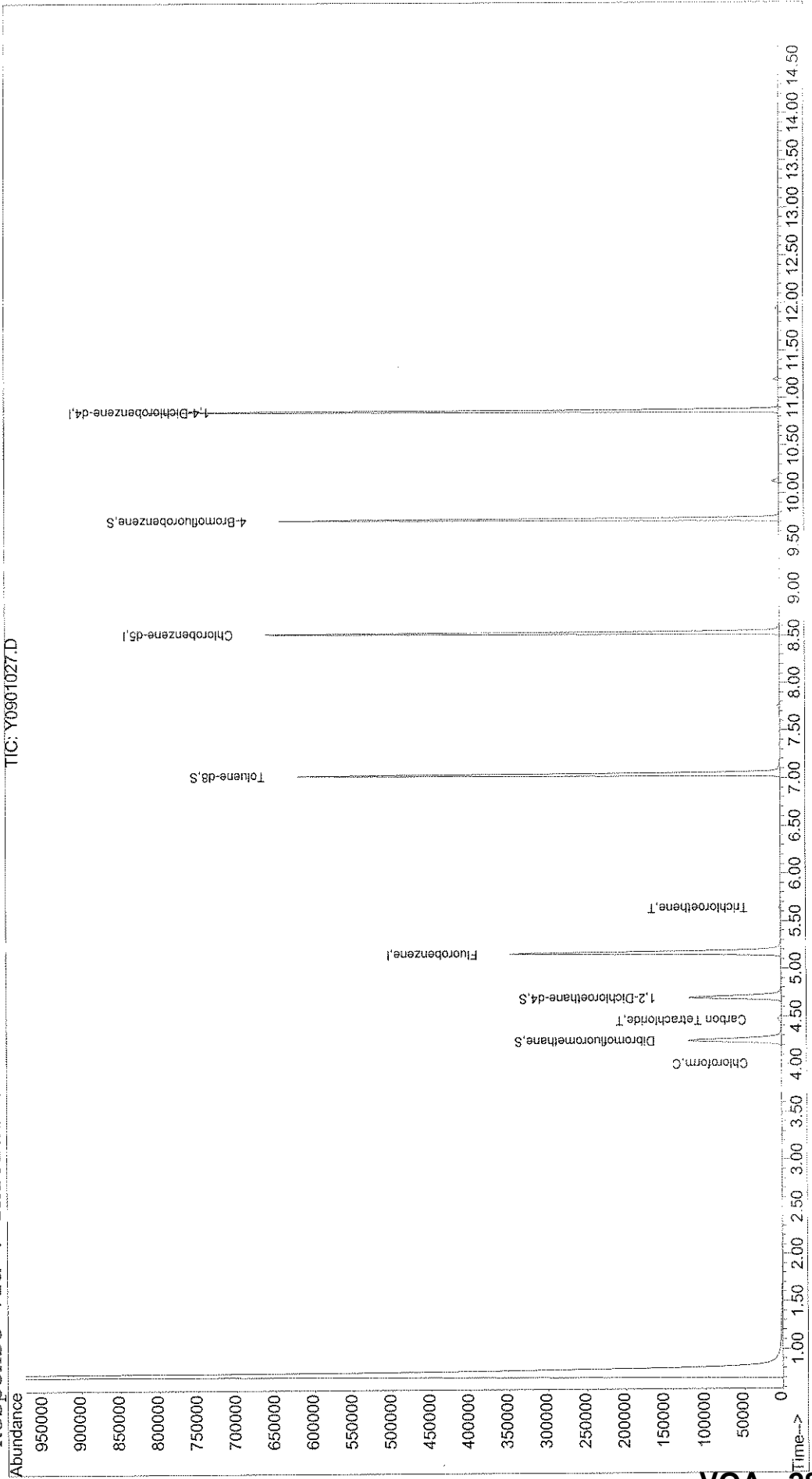
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901027.D Vial: 37
Acq On : 1 Sep 2006 17:42 Operator: LNW
Sample : JPL18-003 MW-24-2 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:36 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901027.D
 Acq On : 1 Sep 2006 17:42
 Sample : JPL18-003 MW-24-2
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:36 2006

Vial: 37
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.17	96	383613	50.00	ug/l	0.00 92.70%
50) Chlorobenzene-d5	8.53	82	172799	50.00	ug/l	0.00 93.74%
69) 1,4-Dichlorobenzene-d4	10.87	152	209606	50.00	ug/l	0.00 89.02%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	108269	51.88	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	106981	54.54	ug/l	0.00
51) Toluene-d8	7.04	98	395413	50.11	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	158187	52.50	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	420	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.76	63	269	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901027.D 8260B.M Tue Sep 05 07:36:44 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901027.D
 Acq On : 1 Sep 2006 17:42
 Sample : JPL18-003 MW-24-2
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:36 2006

Vial: 37
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.		
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.		
31) Chloroform	4.01	83	3207	0.83	ug/l ✓	91
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	4.46	117	4160	1.98	ug/l ✓	98
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.64	130	950	0.33	ug/l # ✓	55
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	7.11	92	108	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	7.69	166	355	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	0.00	112	0	N.D.		
62) Ethylbenzene	8.82	91	202	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	0.00	106	0	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	0.00	104	0	N.D.		
67) Bromoform	0.00	173	0	N.D.		
68) Isopropylbenzene	9.73	105	97	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	0.00	120	0	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901027.D 8260B.M Tue Sep 05 07:36:45 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901027.D
 Acq On : 1 Sep 2006 17:42
 Sample : JPL18-003 MW-24-2
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:36 2006

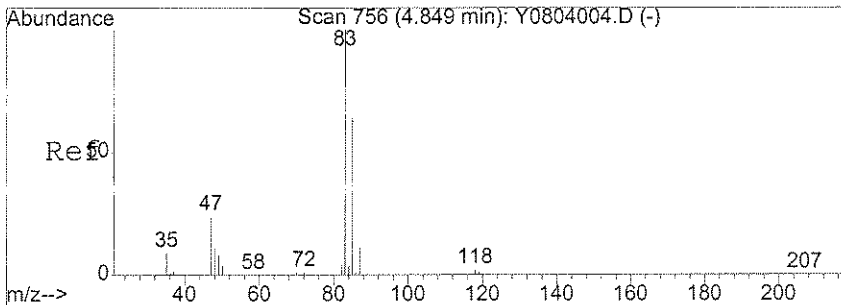
Vial: 37
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

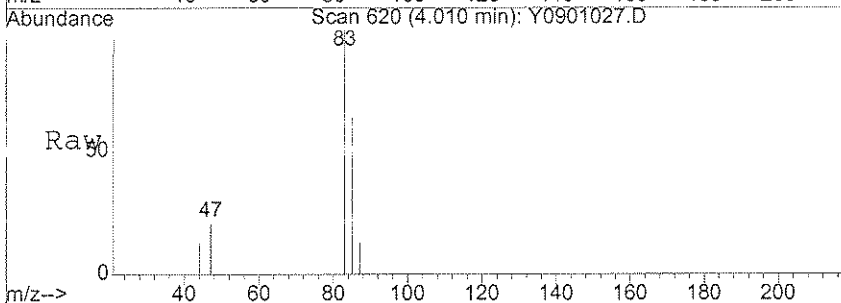
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.87	119	54		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	119		N.D.	
85) n-Butylbenzene	0.00	91	0		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	54		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

 (#) = qualifier out of range (m) = manual integration
 Y0901027.D 8260B.M Tue Sep 05 07:36:45 2006

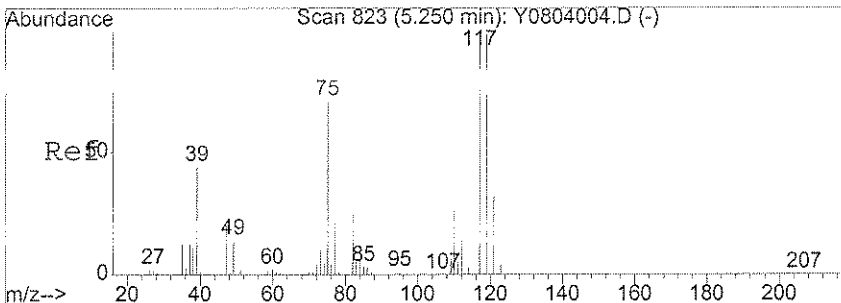
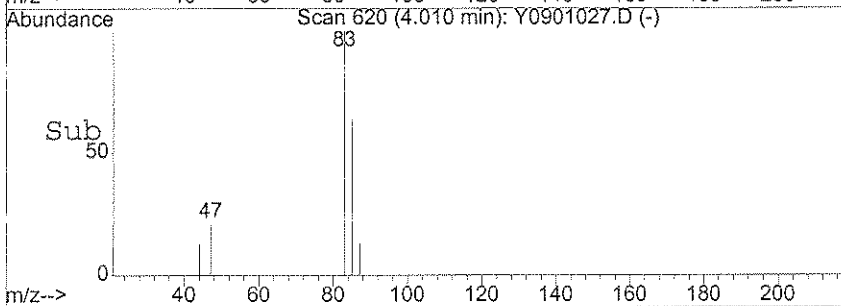
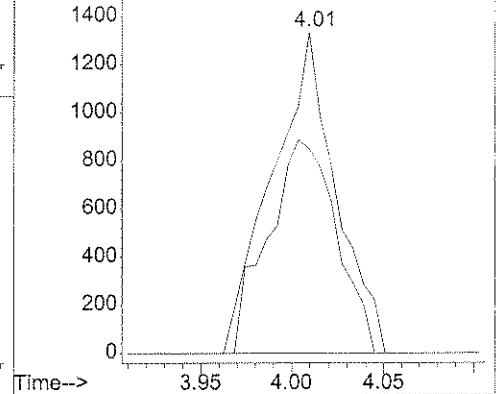


#31
 Chloroform
 Concen: 0.83 ug/l
 RT: 4.01 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: Y0901027.D
 Acq: 1 Sep 2006 17:42

Tgt Ion:	83	Resp:	3207
Ion Ratio	Lower	Upper	
83	100		
85	71.6	44.6	84.6

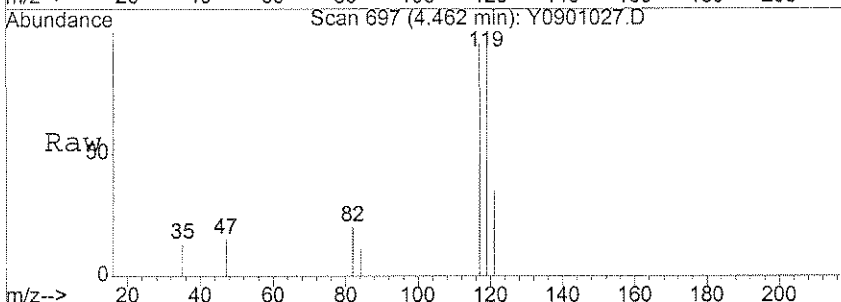


Abundance Ion 83.00 (82.70 to 83.70): Y0901027.D
 Ion 85.00 (84.70 to 85.70): Y0901027.D

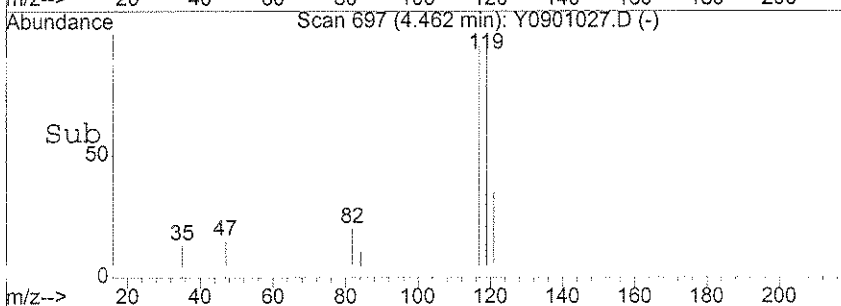
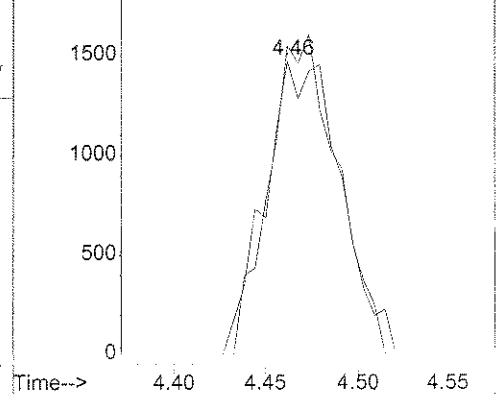


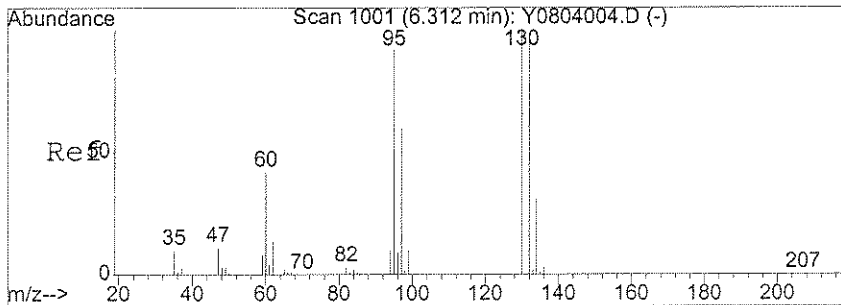
#35
 Carbon Tetrachloride
 Concen: 1.98 ug/l
 RT: 4.46 min Scan# 697
 Delta R.T. -0.01 min
 Lab File: Y0901027.D
 Acq: 1 Sep 2006 17:42

Tgt Ion:	117	Resp:	4160
Ion Ratio	Lower	Upper	
117	100		
119	99.9	78.2	118.2



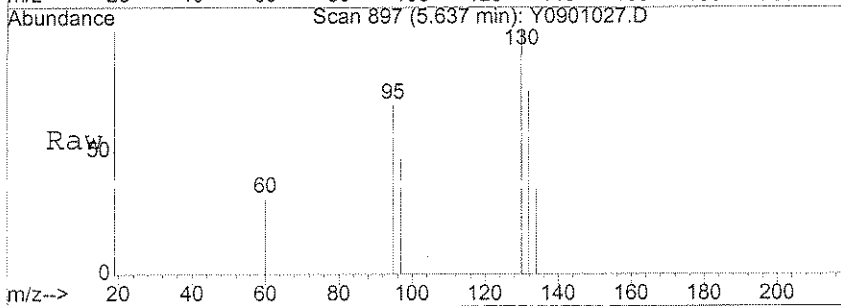
Abundance Ion 117.00 (116.70 to 117.70): Y0901027.D
 Ion 119.00 (118.70 to 119.70): Y0901027.D



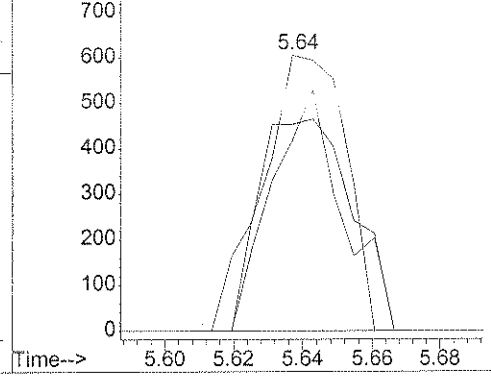
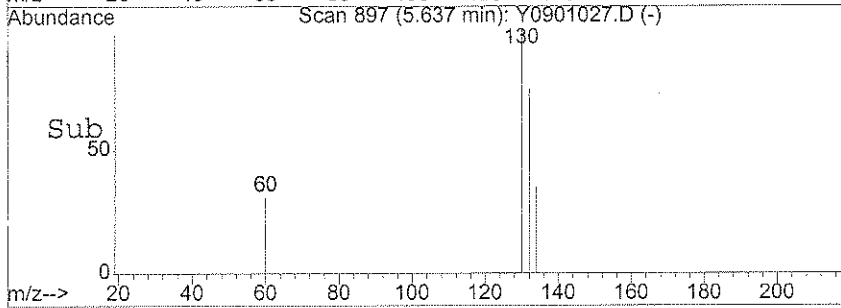


#42
 Trichloroethene
 Concen: 0.33 ug/l
 RT: 5.64 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: Y0901027.D
 Acq: 1 Sep 2006 17:42

Tgt Ion	Resp	Lower	Upper
130	100		
132	97.7	76.9	116.9
95	0.0	67.3	107.3#



Abundance Ion 130.00 (129.70 to 130.70): Y090102
 Ion 132.00 (131.70 to 132.70): Y090102
 Ion 95.00 (94.70 to 95.70): Y0901027.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901027.D Vial: 37
Acq On : 1 Sep 2006 17:42 Operator: LNW
Sample : JPL18-003 MW-24-2 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901027.D 8260B.M Tue Sep 05 07:36:51 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-24-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-004
 Lab File ID: Y0901028.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/01/2006 18:06
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	1.0	
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-24-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-004
 Lab File ID: Y0901028.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/01/2006 18:06
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-24-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-004
 Lab File ID: Y0901028.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/01/2006 18:06
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-24-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED)
 % Moisture: not dec.
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-004
 Lab File ID: Y0901028.D
 Date Collected: 08/24/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

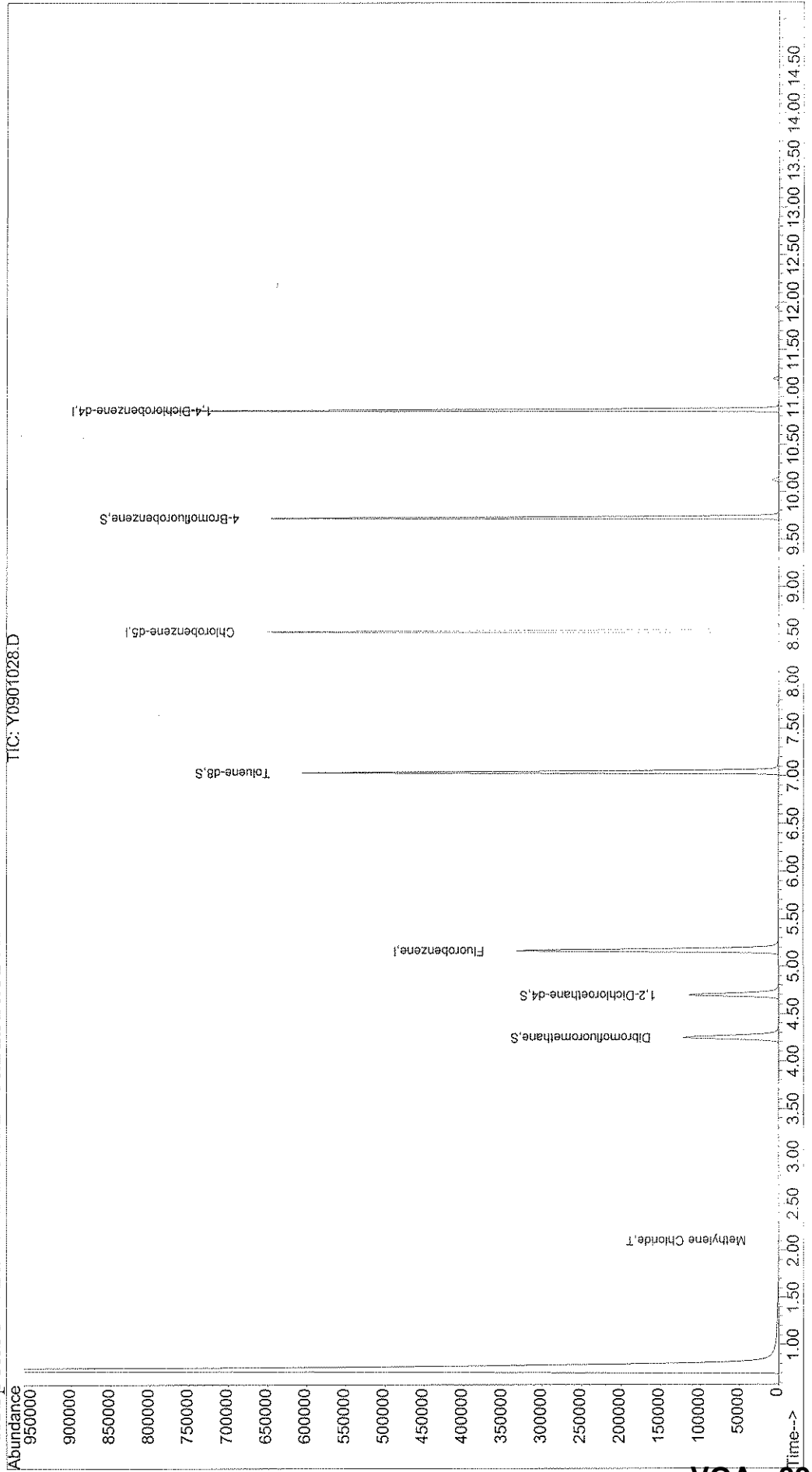
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901028.D Vial: 38
Acq On : 1 Sep 2006 18:06 Operator: LNW
Sample : JPL18-004 MW-24-1 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:37 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901028.D
 Acq On : 1 Sep 2006 18:06
 Sample : JPL18-004 MW-24-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:37 2006

Vial: 38
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	377961	50.00	ug/l	0.00 91.33%
50) Chlorobenzene-d5	8.53	82	168294	50.00	ug/l	0.00 91.30%
69) 1,4-Dichlorobenzene-d4	10.87	152	210543	50.00	ug/l	0.00 89.42%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	108999	53.01	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	106066	54.88	ug/l	0.00
51) Toluene-d8	7.04	98	383870	49.95	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	156154	51.59	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	63	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	338	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.11	84	287	1.01	ug/l #✓	80
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0901028.D 8260B.M Tue Sep 05 07:37:49 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901028.D
 Acq On : 1 Sep 2006 18:06
 Sample : JPL18-004 MW-24-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:37 2006

Vial: 38
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	62		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.71	91	63		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	67		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.74	105	77		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901028.D 8260B.M Tue Sep 05 07:37:49 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901028.D
 Acq On : 1 Sep 2006 18:06
 Sample : JPL18-004 MW-24-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:37 2006

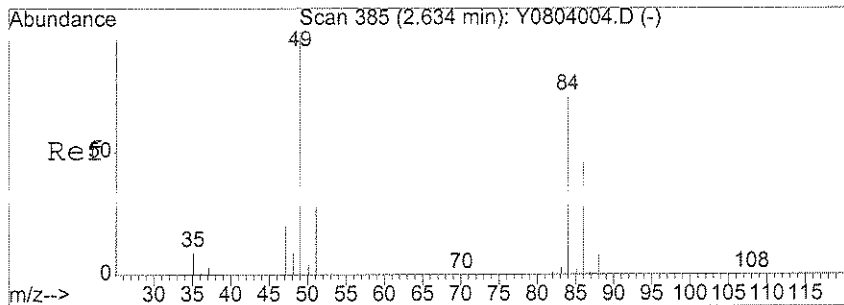
Vial: 38
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

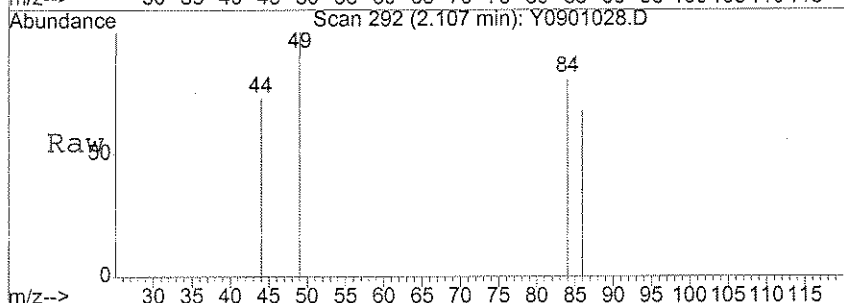
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.00	91	124		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.00	91	124		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	0.00	119	0		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	0.00	91	0		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901028.D 8260B.M Tue Sep 05 07:37:49 2006

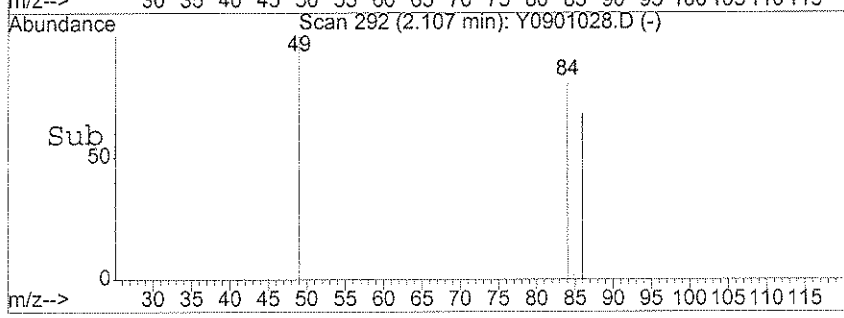
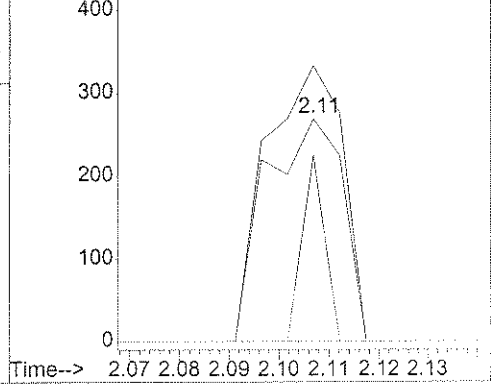


#18
 Methylene Chloride
 Concen: 1.01 ug/l
 RT: 2.11 min Scan# 292
 Delta R.T. 0.01 min
 Lab File: Y0901028.D
 Acq: 1 Sep 2006 18:06

Tgt Ion:	84	Resp:	287
Ion	Ratio	Lower	Upper
84	100		
49	122.6	99.8	139.8
86	24.7	44.9	84.9#



Abundance
 Ion 84.00 (83.70 to 84.70): Y0901028.D
 Ion 49.00 (48.70 to 49.70): Y0901028.D
 Ion 86.00 (85.70 to 86.70): Y0901028.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901028.D Vial: 38
Acq On : 1 Sep 2006 18:06 Operator: LNW
Sample : JPL18-004 MW-24-1 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901028.D 8260B.M Tue Sep 05 07:37:54 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-005
 Lab File ID: Y0901018.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/01/2006 13:59
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-005
 Lab File ID: Y0901018.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/01/2006 13:59
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010185

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-005

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901018.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/01/2006 13:59

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-005
 Lab File ID: Y0901018.D
 Date Collected: 08/24/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

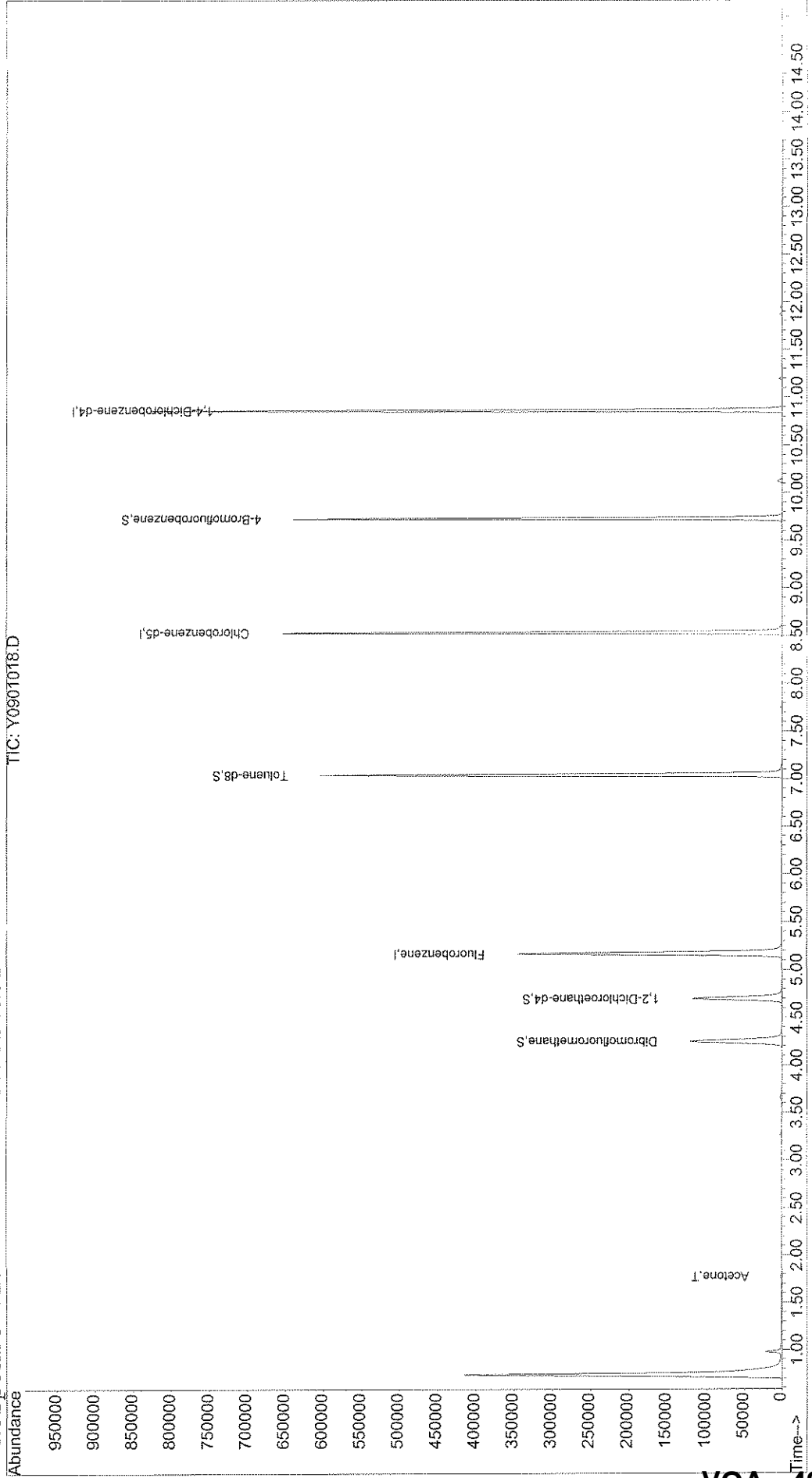
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901018.D Vial: 30
Acq On : 1 Sep 2006 13:59 Operator: LNW
Sample : JPL18-005 EB-7-8/23/06 Inst : Yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 5 7:26 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901018.D
 Acq On : 1 Sep 2006 13:59
 Sample : JPL18-005 EB-7-8/23/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:26 2006

Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	381632	50.00	ug/l	0.00 92.22%
50) Chlorobenzene-d5	8.53	82	170861	50.00	ug/l	0.00 92.69%
69) 1,4-Dichlorobenzene-d4	10.87	152	214902	50.00	ug/l	0.00 91.27%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	107265	51.67	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	105048	53.84	ug/l	0.00
51) Toluene-d8	7.04	98	388544	49.80	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	159532	51.64	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	3504	5.21	ug/l #	86 ✓
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

LNW 9/5/06

(#) = qualifier out of range (m) = manual integration
 Y0901018.D 8260B.M Tue Sep 05 07:27:05 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901018.D
 Acq On : 1 Sep 2006 13:59
 Sample : JPL18-005 EB-7-8/23/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:26 2006

Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	d
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	55		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	123		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.82	91	112		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	79		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901018.D 8260B.M Tue Sep 05 07:27:06 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901018.D
 Acq On : 1 Sep 2006 13:59
 Sample : JPL18-005 EB-7-8/23/06
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 5 7:26 2006

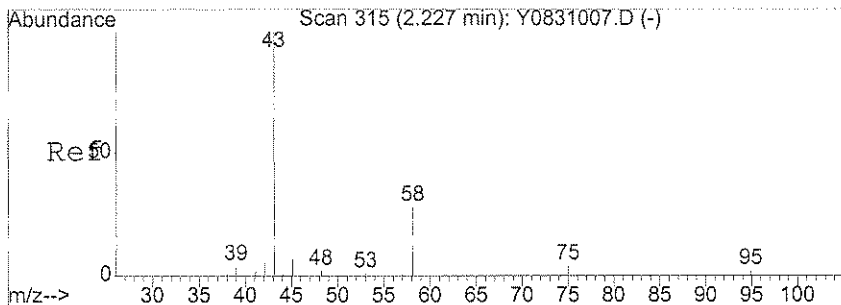
Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

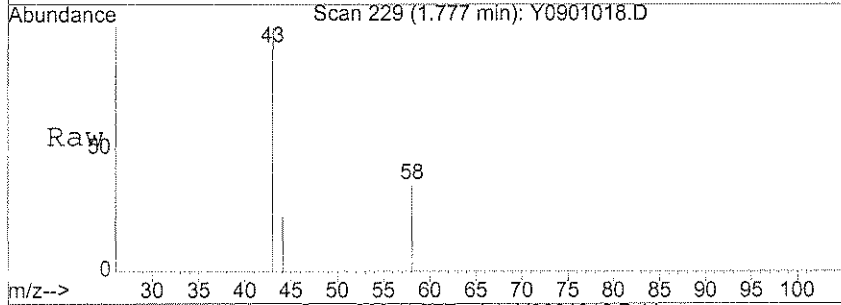
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	63		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	63		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.88	119	73		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	142		N.D.	
85) n-Butylbenzene	11.29	91	154		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	931		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0901018.D 8260B.M Tue Sep 05 07:27:06 2006

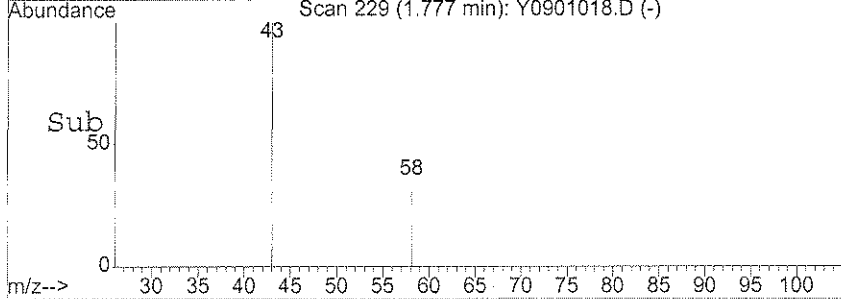
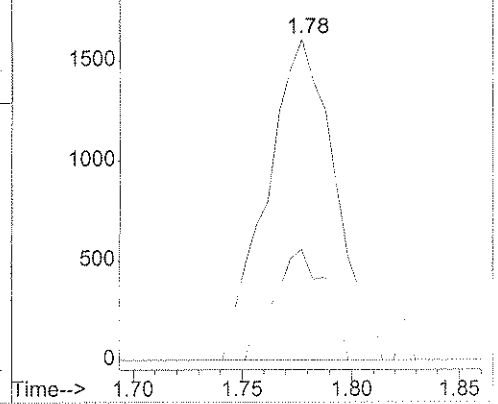


#11
 Acetone
 Concen: 5.21 ug/l
 RT: 1.78 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: Y0901018.D
 Acq: 1 Sep 2006 13:59

Tgt Ion: 43 Resp: 3504
 Ion Ratio Lower Upper
 43 100
 58 26.5 27.7 41.5#



Abundance Ion 43.15 (42.85 to 43.85): Y0901018.D
 Ion 58.05 (57.75 to 58.75): Y0901018.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090106\Y0901018.D Vial: 30
Acq On : 1 Sep 2006 13:59 Operator: LNW
Sample : JPL18-005 EB-7-8/23/06 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0901018.D 8260B.M Tue Sep 05 07:27:14 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-1-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906013.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 12:40

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-1-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906013.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 12:40

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

SB-1-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-006
 Lab File ID: Y0906013.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/06/2006 12:40
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-1-8/23/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-006
 Lab File ID: Y0906013.D
 Date Collected: 08/24/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

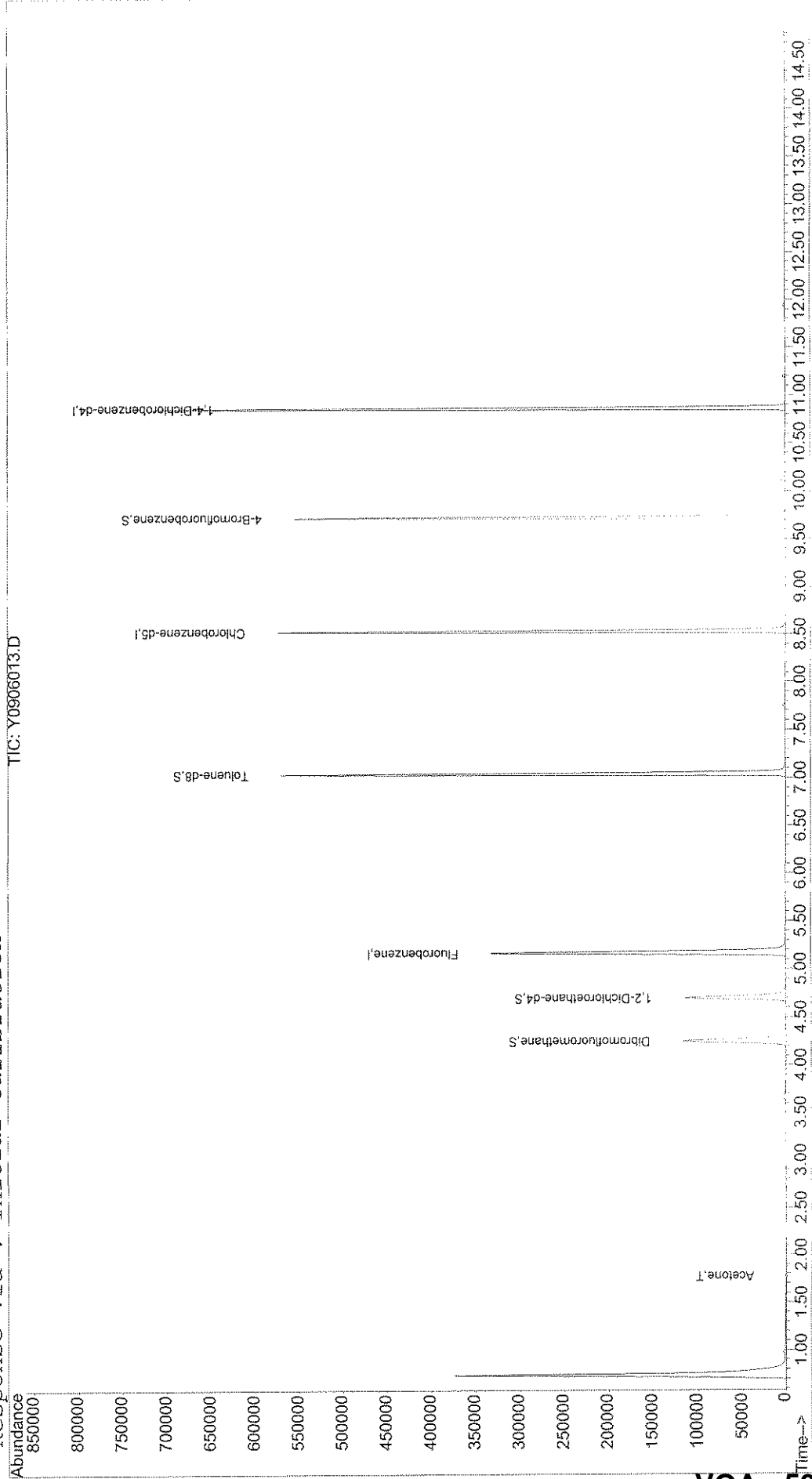
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906013.D Vial: 22
Acq On : 6 Sep 2006 12:40 Operator: DGA
Sample : JPL18-006 SB-1-8/23/06 Inst : yoda
Misc : 5mL +IS/SS #3 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:08 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906013.D
 Acq On : 6 Sep 2006 12:40
 Sample : JPL18-006 SB-1-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:08 2006

Vial: 22
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	374875	50.00	ug/l	0.00 90.59%
50) Chlorobenzene-d5	8.53	82	152941	50.00	ug/l	0.00 82.97%
69) 1,4-Dichlorobenzene-d4	10.86	152	190642	50.00	ug/l	0.00 80.97%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	103244	50.63	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	102407	53.43	ug/l	0.00
51) Toluene-d8	7.04	98	361475	51.76	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	140459	51.25	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	1800	2.72	ug/l #	63
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0906013.D 8260B.M Thu Sep 07 07:09:04 2006

09/07/06
 Page 1
VOA - 60

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906013.D
 Acq On : 6 Sep 2006 12:40
 Sample : JPL18-006 SB-1-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:08 2006

Vial: 22
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.59	43	175		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.02	83	54		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	221		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	122		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.60	105	106		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906013.D 8260B.M Thu Sep 07 07:09:04 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906013.D
 Acq On : 6 Sep 2006 12:40
 Sample : JPL18-006 SB-1-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:08 2006

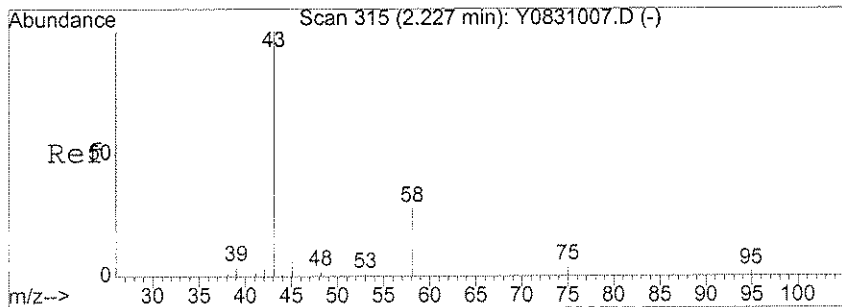
Vial: 22
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

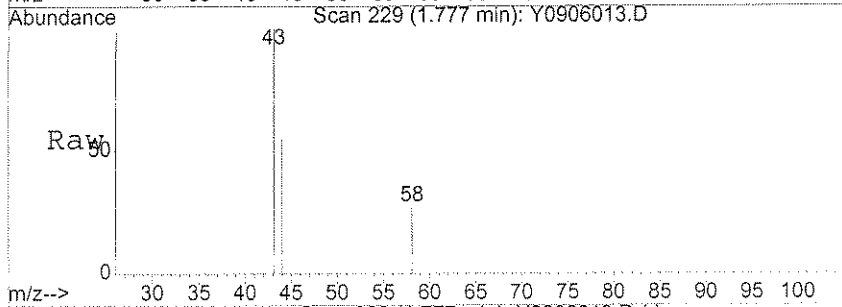
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	77		N.D.	
77) 1,3,5-Trimethylbenzene	10.19	105	98		N.D.	
78) 4-Chlorotoluene	10.17	91	144		N.D.	
79) tert-Butylbenzene	10.50	119	118		N.D.	
80) 1,2,4-Trimethylbenzene	10.72	105	363		N.D.	
81) sec-butylbenzene	10.72	105	363		N.D.	
82) 4-Isopropyltoluene	10.87	119	480		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	361		N.D.	
85) n-Butylbenzene	11.28	91	425		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	56		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	13.02	225	137		Below Cal #	81
90) Naphthalene	13.05	128	563		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0906013.D 8260B.M Thu Sep 07 07:09:04 2006

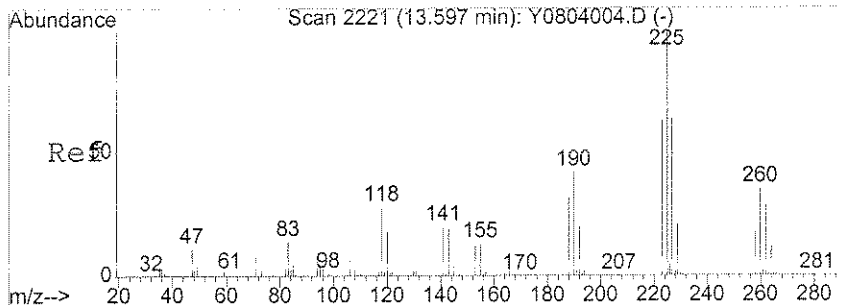
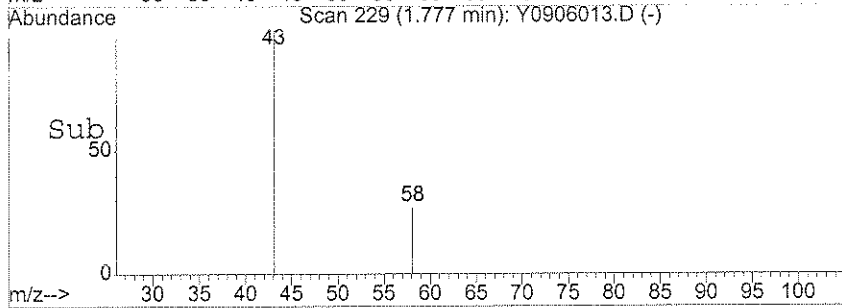
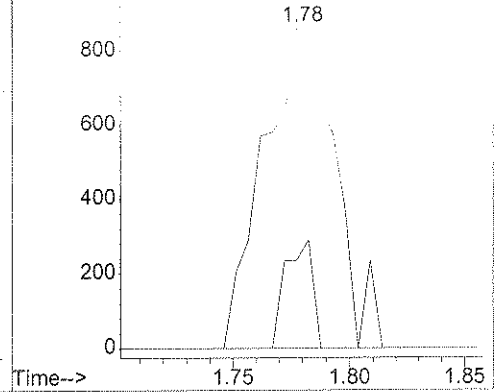


#11
 Acetone
 Concen: 2.72 ug/l
 RT: 1.78 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: Y0906013.D
 Acq: 6 Sep 2006 12:40

Tgt Ion	Resp	Lower	Upper
43	1800		
58	13.2	27.7	41.5#

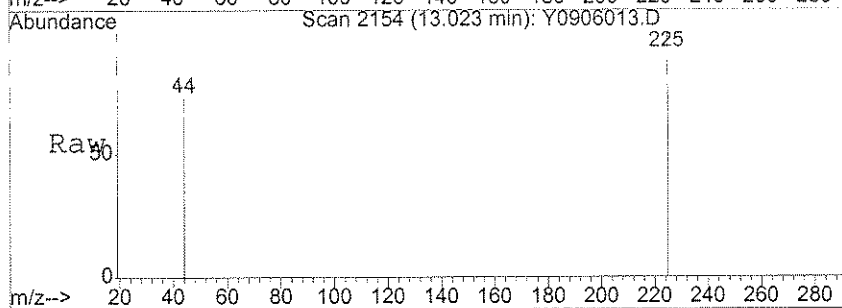


Abundance Ion 43.15 (42.85 to 43.85): Y0906013.D
 Ion 58.05 (57.75 to 58.75): Y0906013.D

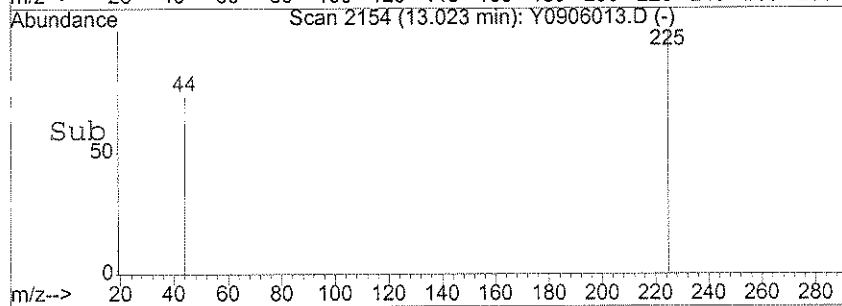
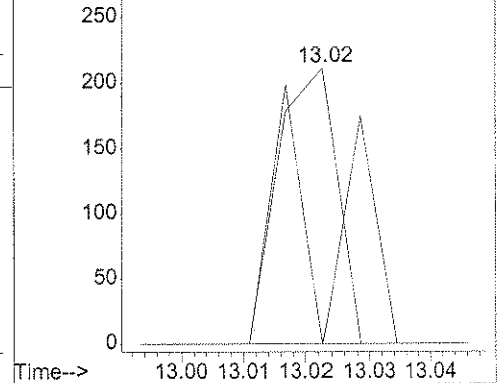


#89
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 13.02 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: Y0906013.D
 Acq: 6 Sep 2006 12:40

Tgt Ion	Resp	Lower	Upper
225	137		
223	51.1	49.8	74.8
227	45.3	50.9	76.3#



Abundance Ion 224.80 (224.50 to 225.50): Y0906013.D
 Ion 222.80 (222.50 to 223.50): Y0906013.D
 Ion 226.80 (226.50 to 227.50): Y0906013.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906013.D Vial: 22
Acq On : 6 Sep 2006 12:40 Operator: DGA
Sample : JPL18-006 SB-1-8/23/06 Inst : yoda
Misc : 5mL +IS/SS #3 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906013.D 8260B.M Thu Sep 07 07:09:13 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-007
 Lab File ID: Y0906011.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/06/2006 11:50
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-007
 Lab File ID: Y0906011.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/06/2006 11:50
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-007
 Lab File ID: Y0906011.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/06/2006 11:50
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 1

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-007
 Lab File ID: Y0906011.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

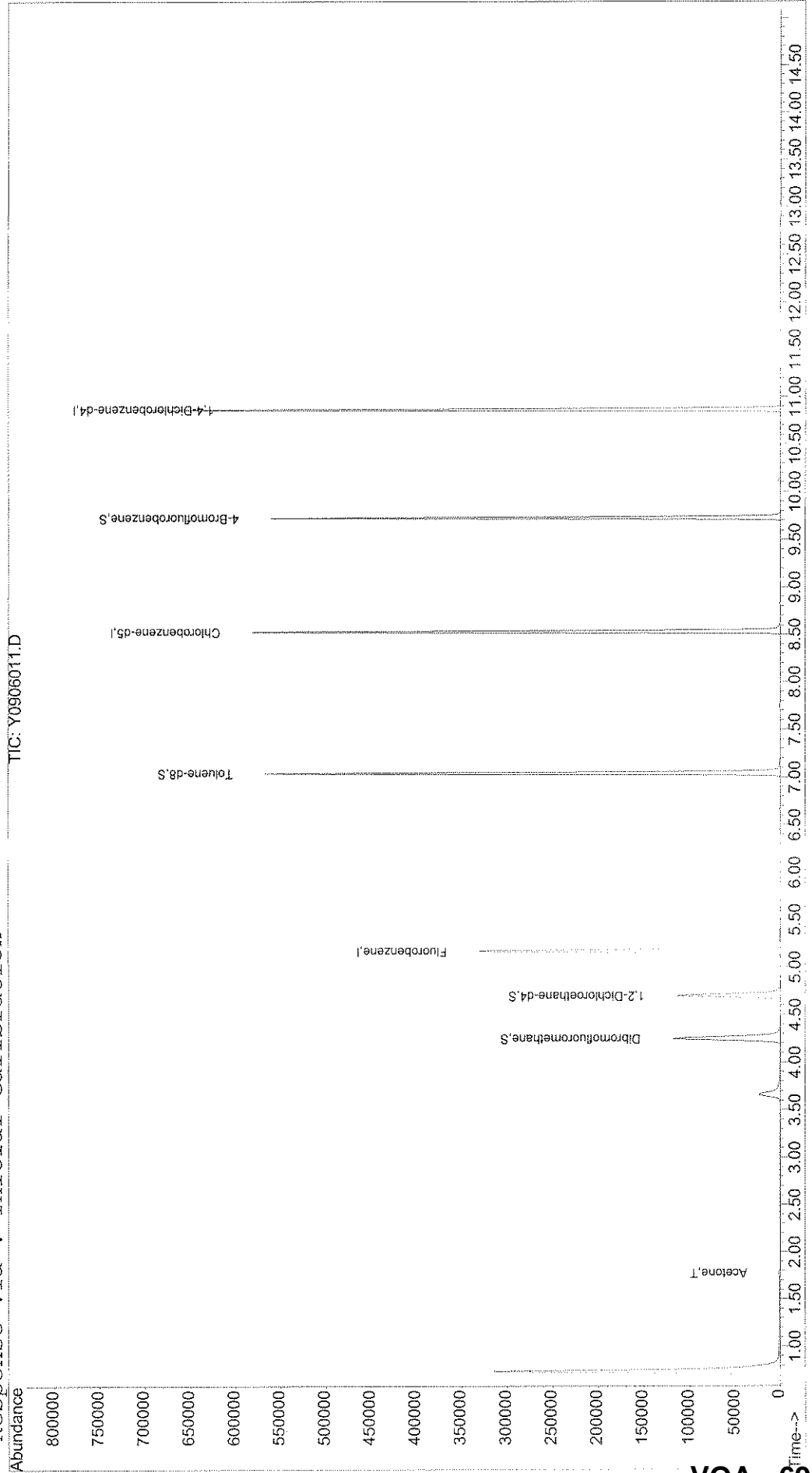
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		unknown	3.66	5.7	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D Vial: 23
Acq On : 6 Sep 2006 11:50 Operator: DGA
Sample : JPL18-007 SB-1-8/23/06 Inst : Yoda
Misc : 5mL +IS/SS #3 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 6:46 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D
 Acq On : 6 Sep 2006 11:50
 Sample : JPL18-007 SB-1-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 6:46 2006

Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)	Rcv (Ar)
1) Fluorobenzene	5.17	96	374706	50.00	ug/l	0.00	90.54%
50) Chlorobenzene-d5	8.53	82	152434	50.00	ug/l	0.00	82.69%
69) 1,4-Dichlorobenzene-d4	10.87	152	186753	50.00	ug/l	0.00	79.32%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	104707	51.37	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	102565	53.53	ug/l	0.00	
51) Toluene-d8	7.04	98	363190	52.18	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	137803	51.33	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	2918	4.42	ug/l # 84	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	66	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0906011.D 8260B.M Thu Sep 07 06:46:38 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D
 Acq On : 6 Sep 2006 11:50
 Sample : JPL18-007 SB-1-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 6:46 2006

Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.	d	
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	3.94	41	89	N.D.		
31) Chloroform	0.00	83	0	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.50	75	57	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	0.00	130	0	N.D.		
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	0.00	92	0	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	0.00	166	0	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	0.00	112	0	N.D.		
62) Ethylbenzene	8.71	91	202	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.83	106	81	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	0.00	104	0	N.D.		
67) Bromoform	0.00	173	0	N.D.		
68) Isopropylbenzene	9.60	105	227	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	10.19	120	53	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0906011.D 8260B.M Thu Sep 07 06:46:39 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D
 Acq On : 6 Sep 2006 11:50
 Sample : JPL18-007 SB-1-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 6:46 2006

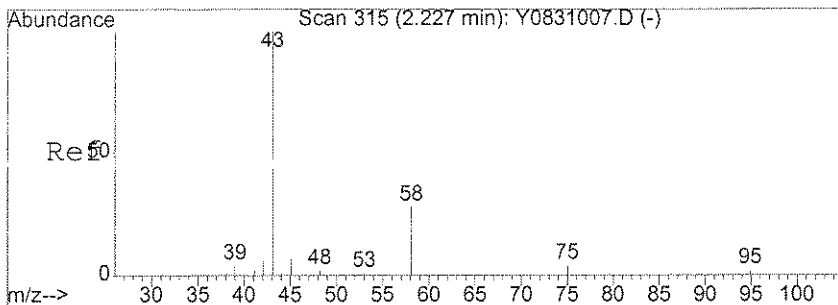
Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

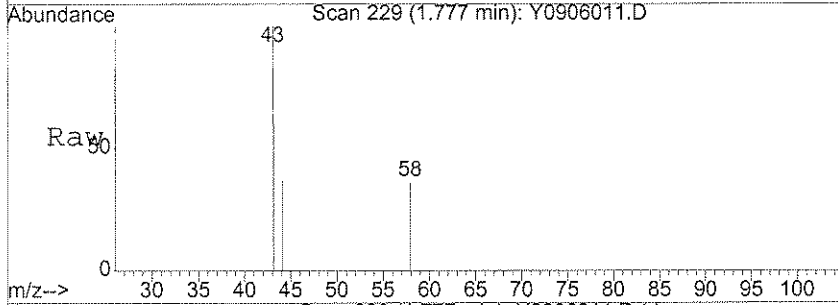
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	85		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	389		N.D.	
78) 4-Chlorotoluene	10.18	91	194		N.D.	
79) tert-Butylbenzene	10.50	119	138		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	295		N.D.	
81) sec-butylbenzene	10.73	105	529		N.D.	
82) 4-Isopropyltoluene	10.88	119	645		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	389		N.D.	
85) n-Butylbenzene	11.28	91	603		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	95		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	625		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0906011.D 8260B.M Thu Sep 07 06:46:39 2006

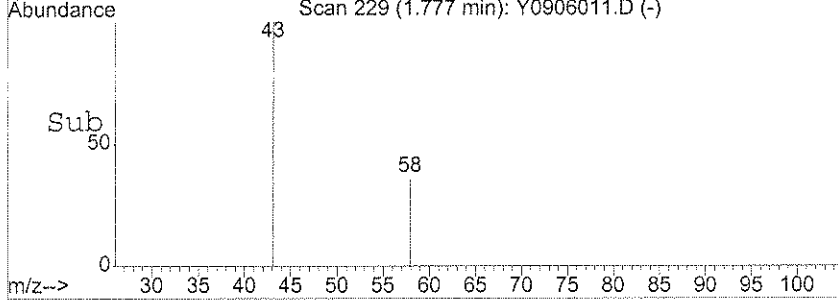
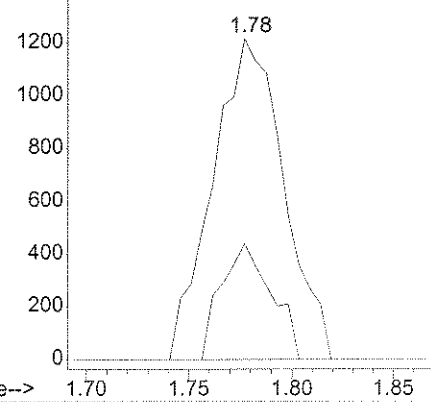


#11
 Acetone
 Concen: 4.42 ug/l
 RT: 1.78 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: Y0906011.D
 Acq: 6 Sep 2006 11:50

Tgt Ion: 43 Resp: 2918
 Ion Ratio Lower Upper
 43 100
 58 25.6 27.7 41.5#



Abundance Ion 43.15 (42.85 to 43.85): Y0906011.D
 1400 Ion 58.05 (57.75 to 58.75): Y0906011.D



LSC Area Percent Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D Vial: 23
 Acq On : 6 Sep 2006 11:50 Operator: DGA
 Sample : JPL18-007 SB-1-8/23/06 Inst : yoda
 Misc : 5mL +IS/SS #3 (524) Multiplr: 1.00
 MS Integration Params: LSCINT.P

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Signal : TIC

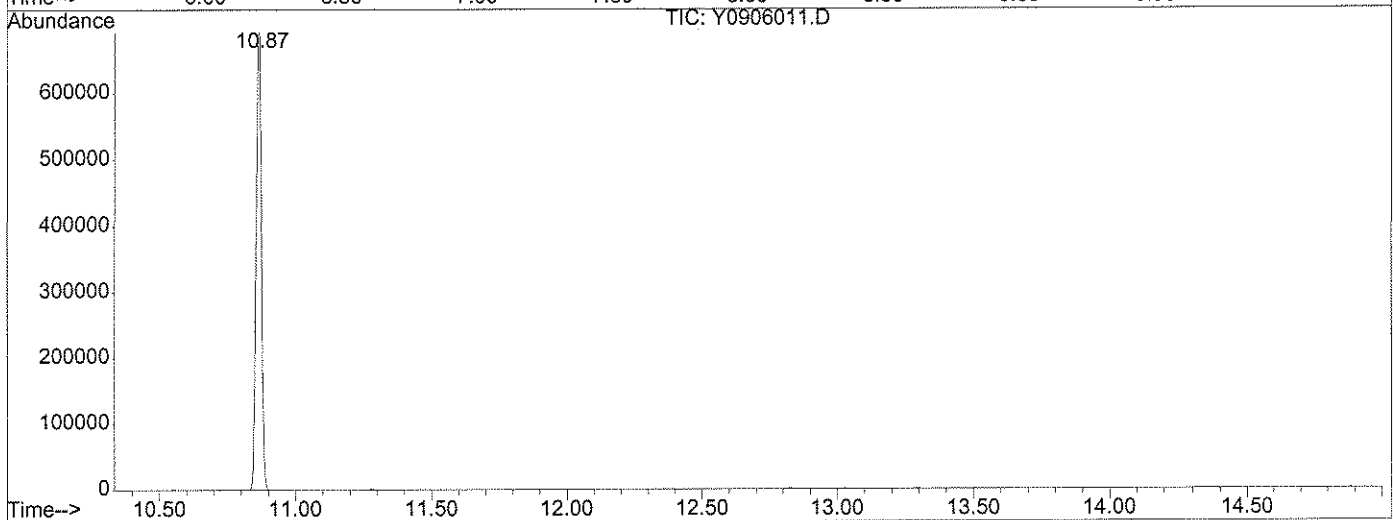
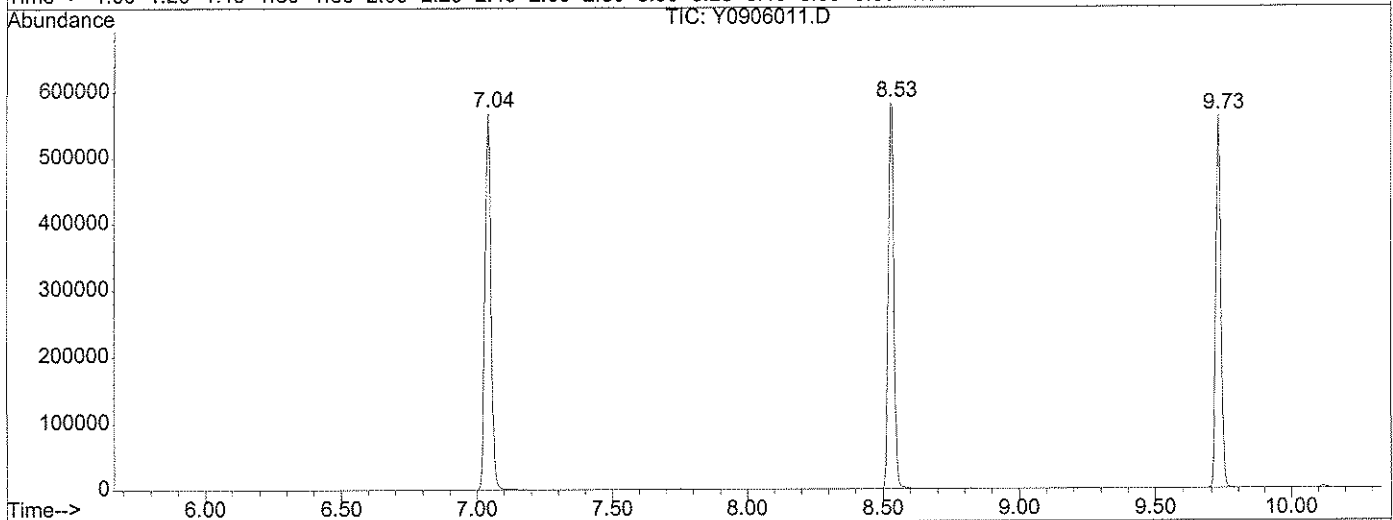
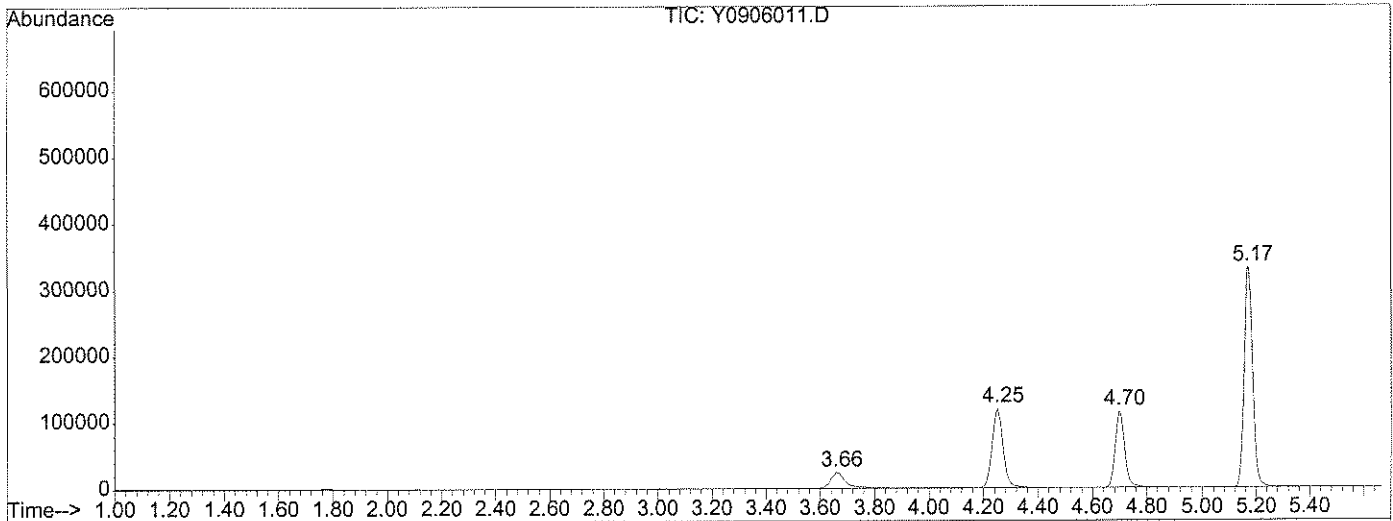
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.657	548	560	575	rBV	23467	83718	8.79%	1.738%
2	4.250	649	661	680	rBV	118625	329168	34.55%	6.833%
3	4.697	728	737	754	rBV	114186	276236	29.00%	5.735%
4	5.167	808	817	833	rBV	331312	736794	77.34%	15.296%
5	7.041	1129	1136	1148	rBV	567829	882377	92.63%	18.318%
6	8.528	1383	1389	1407	rBB	581753	830164	87.14%	17.234%
7	9.726	1587	1593	1604	rVB	561539	725971	76.21%	15.071%
8	10.866	1781	1787	1798	rBB	692886	952630	100.00%	19.776%

Sum of corrected areas: 4817058

Y0906011.D 8260B.M Fri Sep 08 10:55:08 2006

LSC Report - Integrated Chromatogram

File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D
Operator : DGA
Acquired : 6 Sep 2006 11:50 using AcqMethod 8260B
Instrument : yoda
Sample Name: JPL18-007 SB-1-8/23/06
Misc Info : 5mL +IS/SS #3 (524)
Vial Number: 23
Quant File :8260B.RES (RTE Integrator)



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D
 Acq On : 6 Sep 2006 11:50
 Sample : JPL18-007 SB-1-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: LSCINT.P

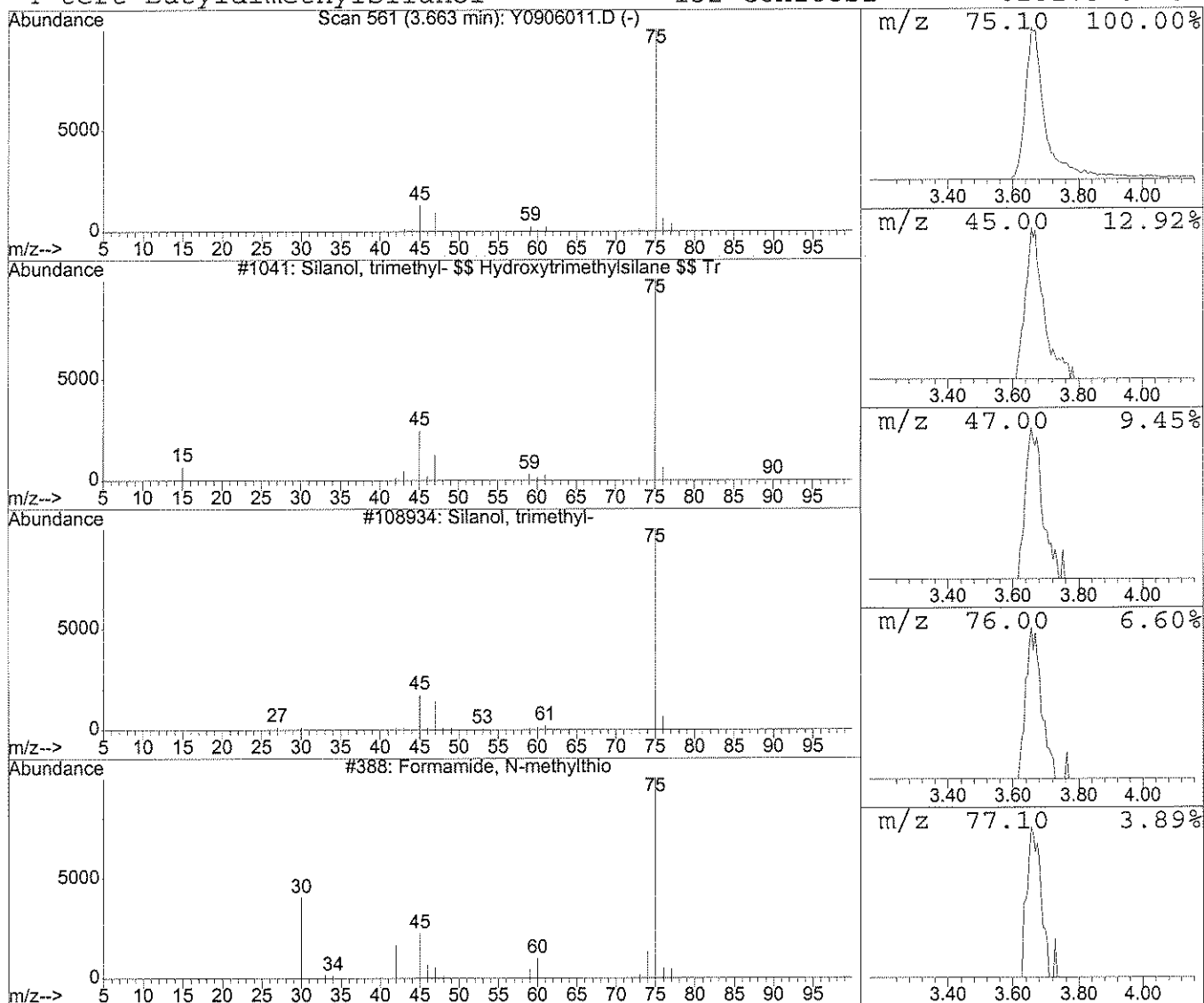
Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Library : D:\DATABASE\NIST129K.L

 Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.66	5.68 ug/l	83718	Fluorobenzene	5.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Silanol, trimethyl- \$\$ Hydroxytrime	90	C3H10OSi	001066-40-6	83
2		Silanol, trimethyl-	90	C3H10OSi	001066-40-6	74
3		Formamide, N-methylthio	75	C2H5NS	000000-00-0	9
4		tert-Butyldimethylsilanol	132	C6H16OSi	018173-64-3	9



Tentatively Identified Compound (LSC) summary

Operator ID: DGA Date Acquired: 6 Sep 2006 11:50
Data File: Q:\MSDCHEM\1\DATA\090606\Y0906011.D
Name: JPL18-007 SB-1-8/23/06
Misc: 5mL +IS/SS #3 (524)
Method: Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title: VOA Standards for 5 point calibration 8260- 5ML
Library Searched: D:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
----- unknown	3.66	5.7	ug/l	83718	ISTD01	5.17	736794	50.0
Y0906011.D 8260B.M								

Fri Sep 08 10:55:10 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-008
 Lab File ID: Y0906014.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 13:04
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.25	J
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.89	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-008
 Lab File ID: Y0906014.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 13:04
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-008

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906014.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 13:04

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-12-5

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL18-008

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906014.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date Analyzed: 09/06/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

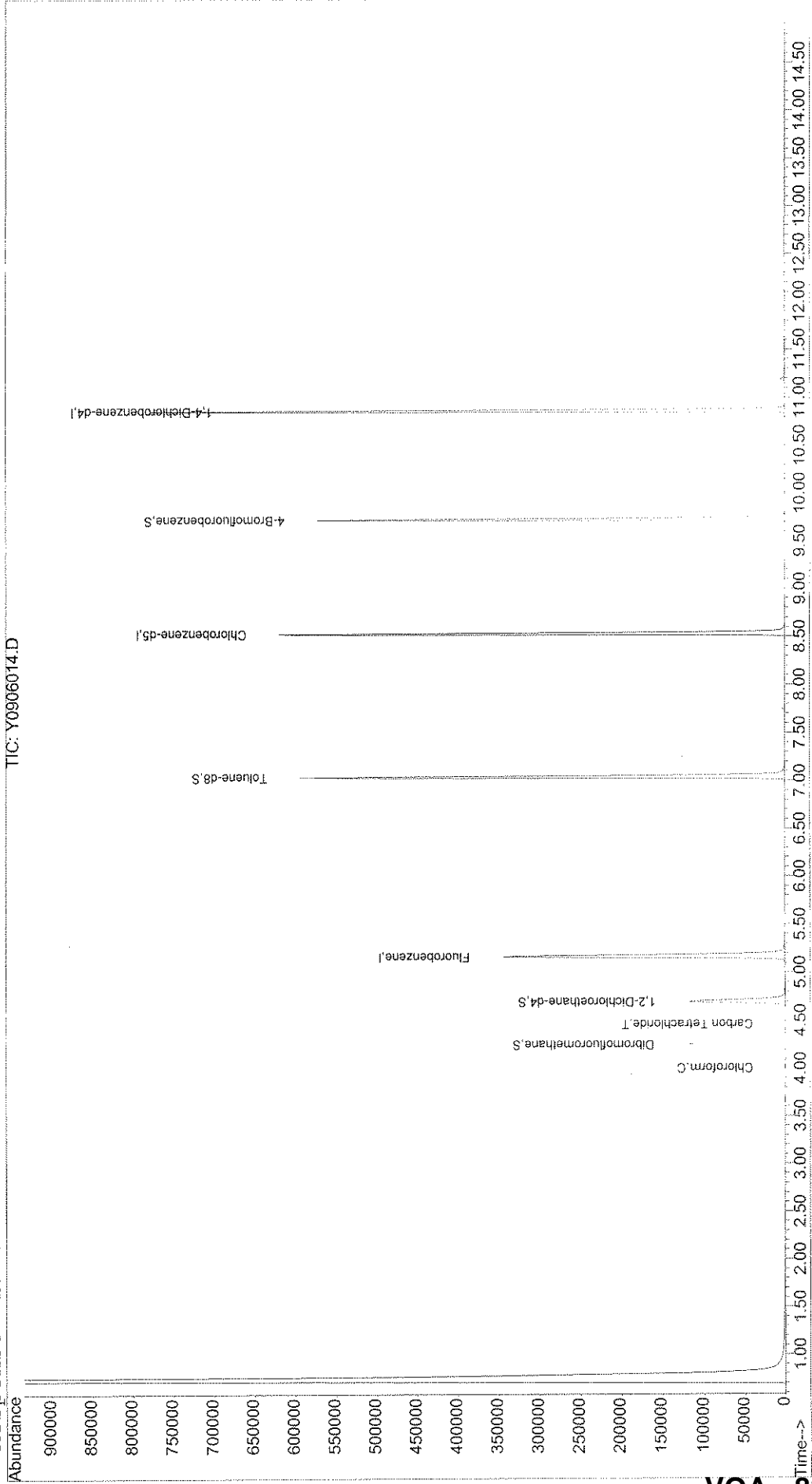
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906014.D Vial: 23
Acq On : 6 Sep 2006 13:04 Operator: DGA
Sample : JPL18-008 MW-12-5 Inst : yoda
Misc : 5mL +IS/SS #1 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:11 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906014.D
 Acq On : 6 Sep 2006 13:04
 Sample : JPL18-008 MW-12-5
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:11 2006

Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.17	96	386308	50.00	ug/l	0.00 93.35%
50) Chlorobenzene-d5	8.53	82	159729	50.00	ug/l	0.00 86.65%
69) 1,4-Dichlorobenzene-d4	10.87	152	196028	50.00	ug/l	0.00 83.25%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	106789	50.82	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	106138	53.74	ug/l	0.00
51) Toluene-d8	7.04	98	376754	51.65	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	144164	51.16	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	204	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Y0906014.D 8260B.M Thu Sep 07 07:11:49 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906014.D
 Acq On : 6 Sep 2006 13:04
 Sample : JPL18-008 MW-12-5
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:11 2006

Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.00	83	987	0.25	ug/l	78
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	4.46	117	1302m	0.89	ug/l	1
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.63	130	58		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.12	92	206		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	137		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.23	104	227		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.60	105	56		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906014.D 8260B.M Thu Sep 07 07:11:50 2006

[Handwritten signature]
 Page 2
VOA - 84

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906014.D
 Acq On : 6 Sep 2006 13:04
 Sample : JPL18-008 MW-12-5
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:11 2006

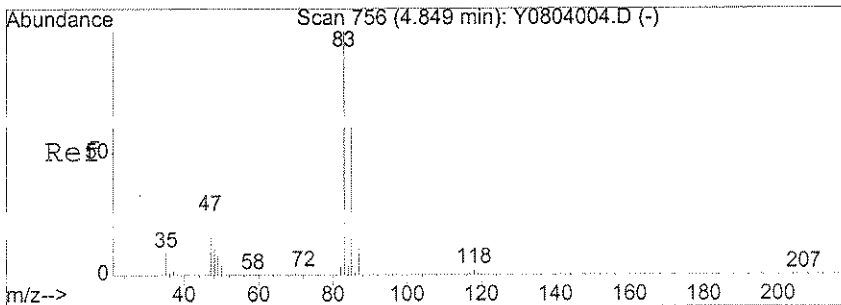
Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

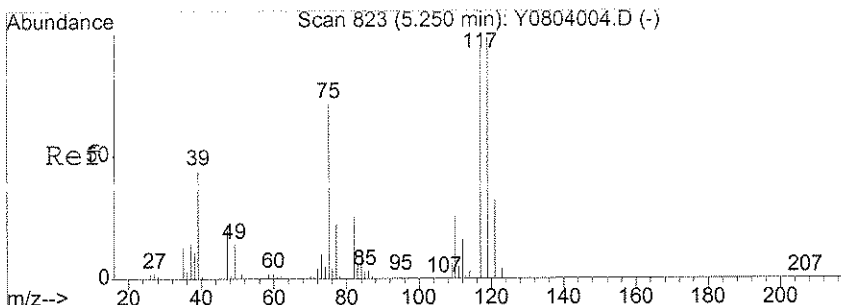
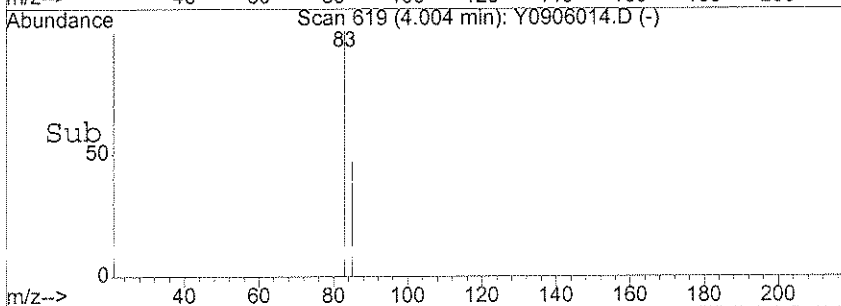
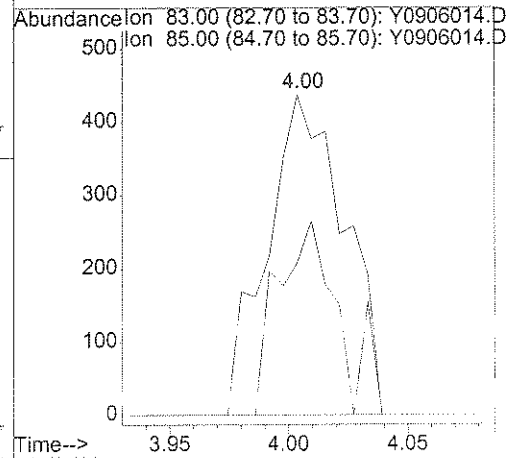
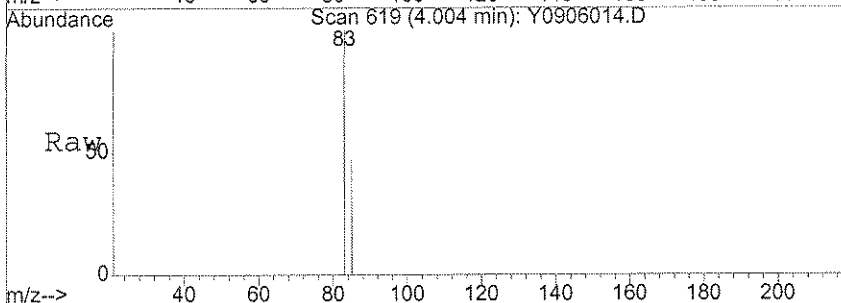
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	69		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.06	91	69		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	134		N.D.	
81) sec-butylbenzene	10.73	105	86		N.D.	
82) 4-Isopropyltoluene	10.87	119	407		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	125		N.D.	
85) n-Butylbenzene	11.28	91	401		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	301		<u>Below Cal #</u>	61
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	138		N.D.	
91) 1,2,3-Trichlorobenzene	13.29	180	214		<u>Below Cal #</u>	82

(#) = qualifier out of range (m) = manual integration
 Y0906014.D 8260B.M Thu Sep 07 07:11:50 2006



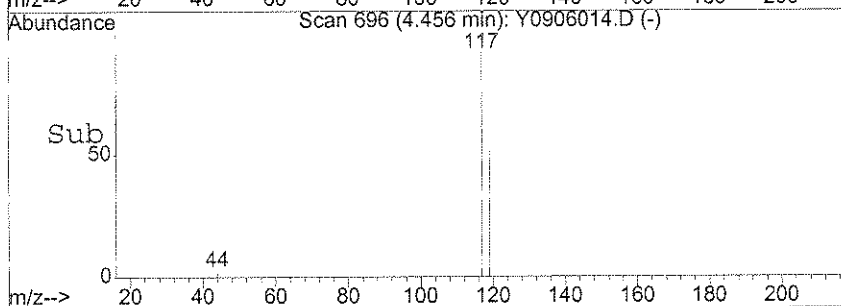
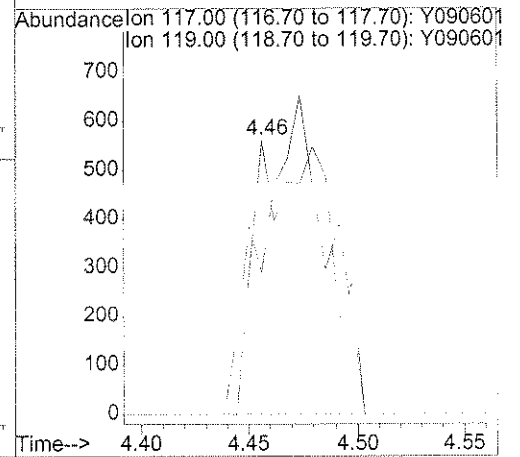
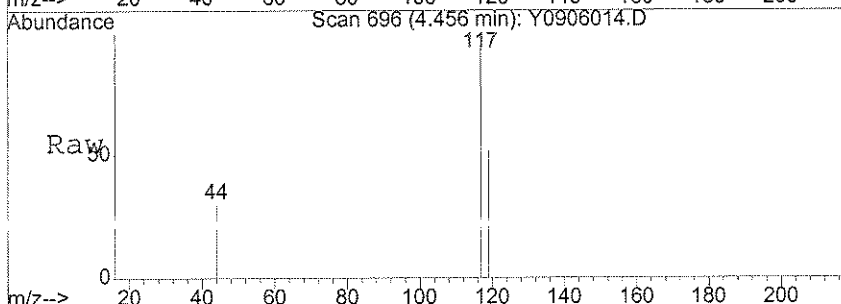
#31
 Chloroform
 Concen: 0.25 ug/l
 RT: 4.00 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: Y0906014.D
 Acq: 6 Sep 2006 13:04

Tgt Ion: 83 Resp: 987
 Ion Ratio Lower Upper
 83 100
 85 47.5 44.6 84.6



#35
 Carbon Tetrachloride
 Concen: 0.89 ug/l m
 RT: 4.46 min Scan# 696
 Delta R.T. -0.02 min
 Lab File: Y0906014.D
 Acq: 6 Sep 2006 13:04

Tgt Ion: 117 Resp: 1302
 Ion Ratio Lower Upper
 117 100
 119 104.3 78.2 118.2



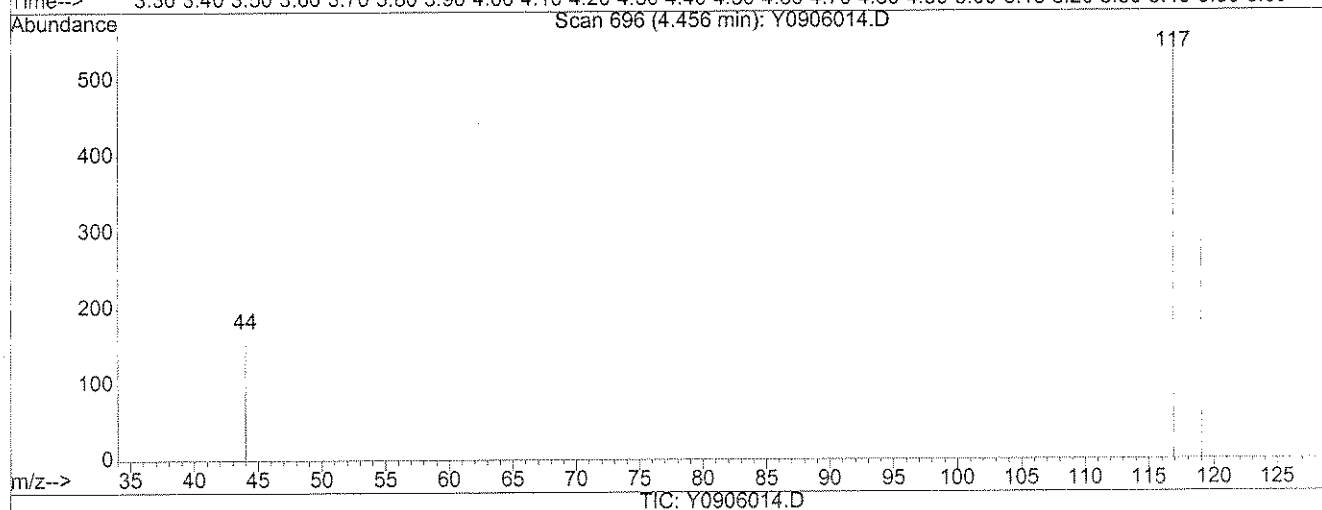
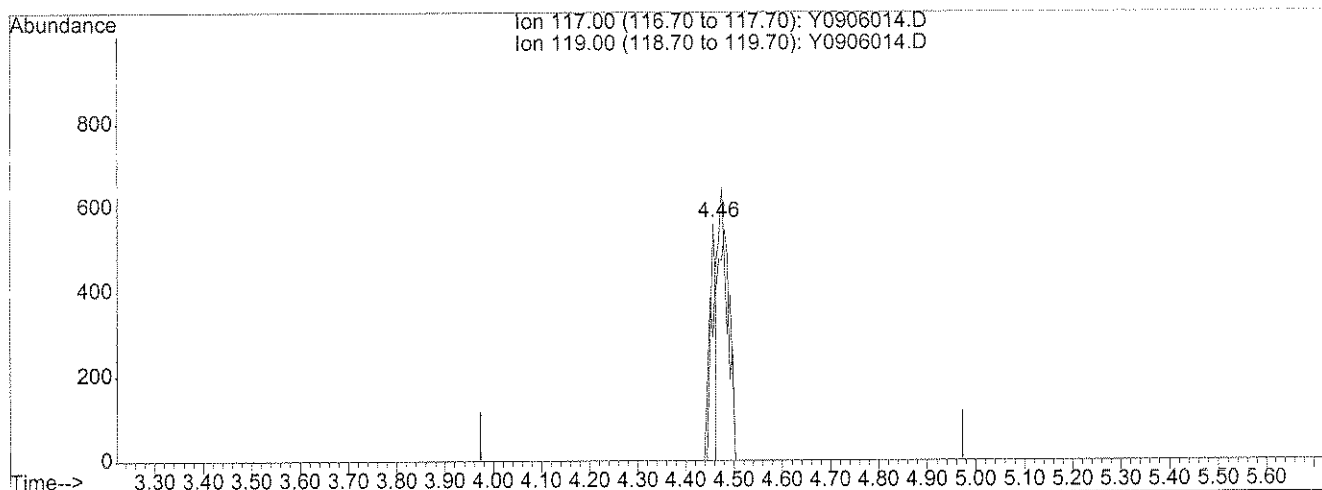
Quantitation Report (Qedit)

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906014.D
 Acq On : 6 Sep 2006 13:04
 Sample : JPL18-008 MW-12-5
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:11 2006

Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: temp.res

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Multiple Level Calibration



(35) Carbon Tetrachloride (T)

4.46min 0.56ug/l

response 440

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	308.64#
0.00	0.00	0.00
0.00	0.00	0.00

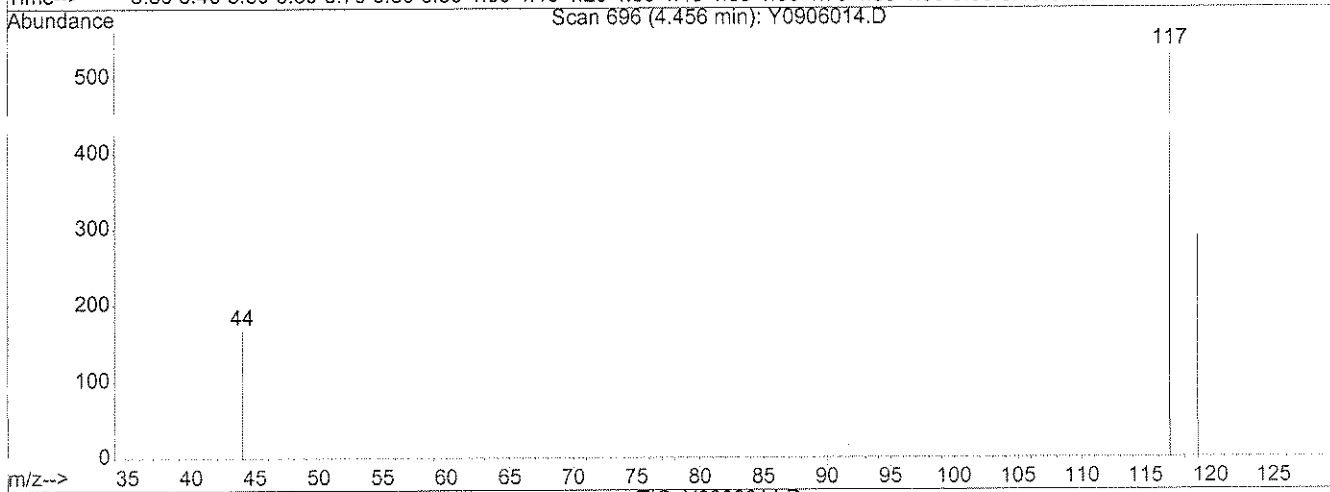
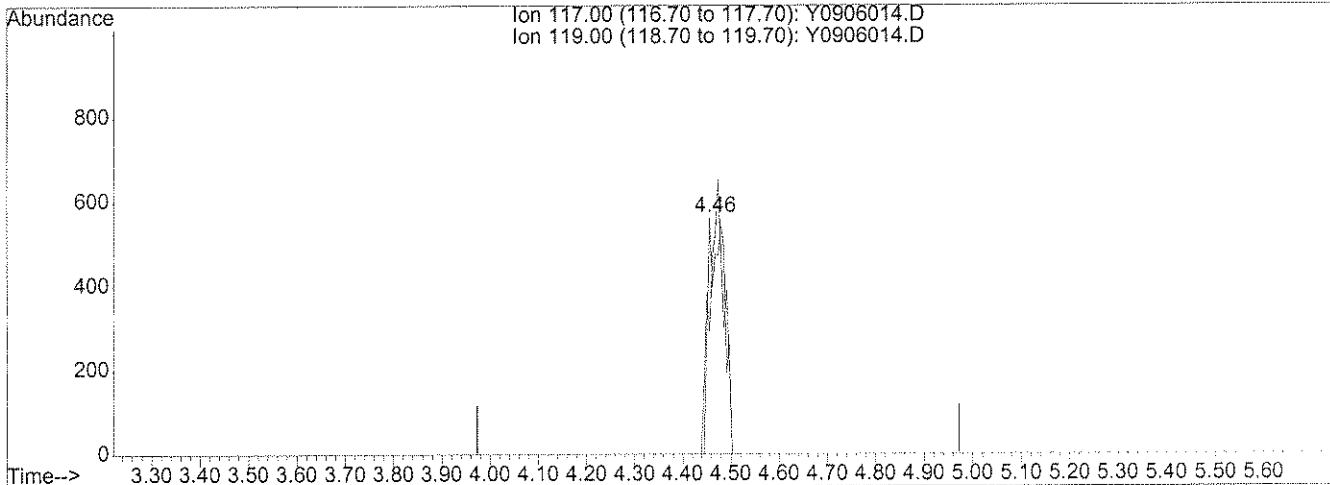
Quantitation Report (Qedit)

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906014.D
 Acq On : 6 Sep 2006 13:04
 Sample : JPL18-008 MW-12-5
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:11 2006

Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: temp.res

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Multiple Level Calibration



TIC: Y0906014.D

(35) Carbon Tetrachloride (T)

4.46min 0.89ug/l m

response 1302

Ion	Exp%	Act%
117.00	100	100
119.00	98.20	104.30
0.00	0.00	0.00
0.00	0.00	0.00

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906014.D Vial: 23
Acq On : 6 Sep 2006 13:04 Operator: DGA
Sample : JPL18-008 MW-12-5 Inst : yoda
Misc : 5mL +IS/SS #1 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906014.D 8260B.M Thu Sep 07 07:14:06 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-009

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906015.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 13:29

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.71	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	2.5	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.42	J
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-009

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906015.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 13:29

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-009
 Lab File ID: Y0906015.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 13:29
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-12-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-009
 Lab File ID: Y0906015.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

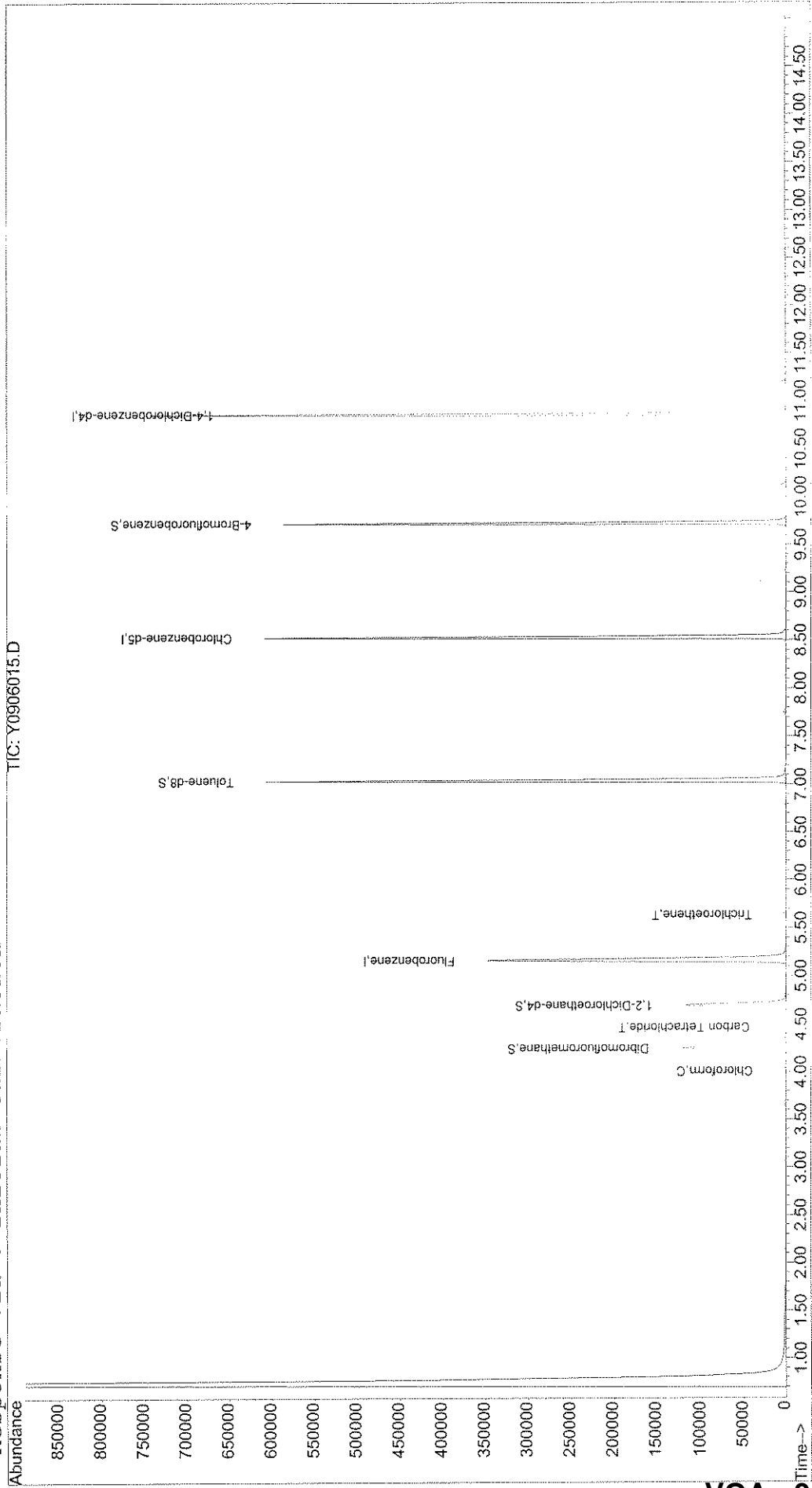
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906015.D Vial: 24
Acq On : 6 Sep 2006 13:29 Operator: DGA
Sample : JPL18-009 MW-12-4 Inst : yoda
Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:13 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906015.D
 Acq On : 6 Sep 2006 13:29
 Sample : JPL18-009 MW-12-4
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:13 2006

Vial: 24
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	393436	50.00	ug/l	0.00 95.07%
50) Chlorobenzene-d5	8.53	82	159711	50.00	ug/l	0.00 86.64%
69) 1,4-Dichlorobenzene-d4	10.87	152	194318	50.00	ug/l	0.00 82.53%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	109612	51.22	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	108511	53.94	ug/l	0.00
51) Toluene-d8	7.04	98	384166	52.68	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	144374	51.68	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	486	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906015.D
 Acq On : 6 Sep 2006 13:29
 Sample : JPL18-009 MW-12-4
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:13 2006

Vial: 24
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.		
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	0.00	41	0	N.D.		
31) Chloroform	4.01	83	2819	0.71	ug/l	96
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	4.47	117	5586	2.47	ug/l	99
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.63	130	1246	0.42	ug/l	94
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	7.12	92	266	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	0.00	166	0	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	0.00	112	0	N.D.		
62) Ethylbenzene	8.70	91	66	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	0.00	106	0	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	9.23	104	238	N.D.		
67) Bromoform	0.00	173	0	N.D.		
68) Isopropylbenzene	9.73	105	64	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	0.00	120	0	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0906015.D 8260B.M Thu Sep 07 07:13:13 2006

[Handwritten signature]
 Page 2
VOA - 96

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906015.D
 Acq On : 6 Sep 2006 13:29
 Sample : JPL18-009 MW-12-4
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:13 2006

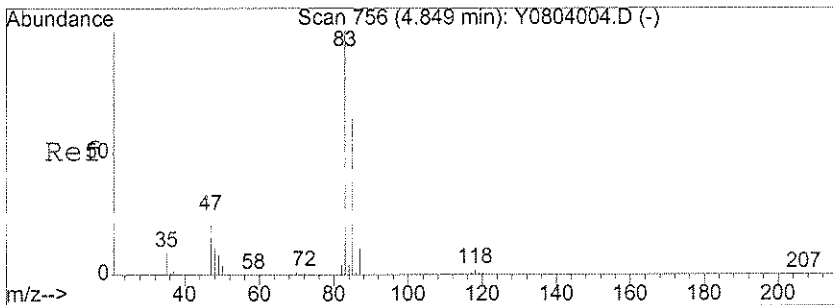
Vial: 24
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

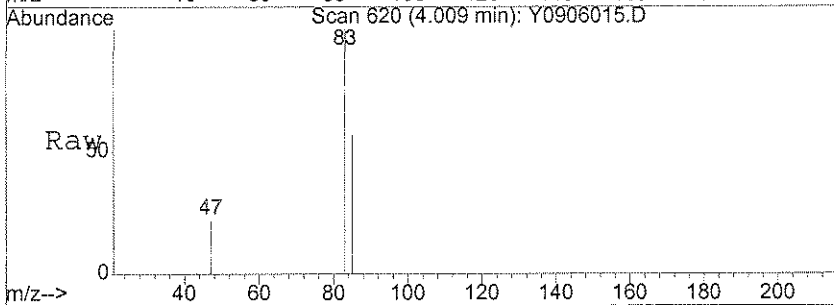
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	209		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.18	91	71		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	59		N.D.	
81) sec-butylbenzene	10.72	105	111		N.D.	
82) 4-Isopropyltoluene	10.87	119	238		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	86		N.D.	
85) n-Butylbenzene	11.28	91	275		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	127		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0906015.D 8260B.M Thu Sep 07 07:13:13 2006

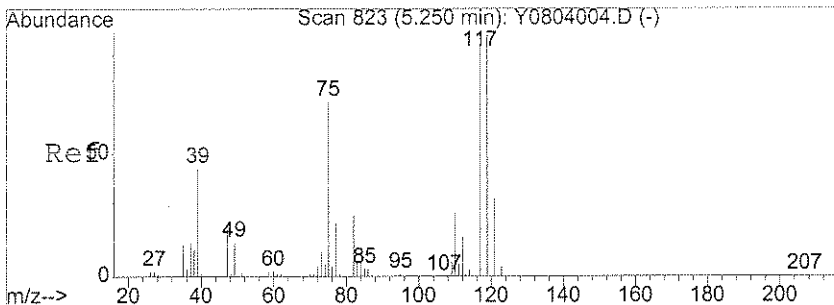
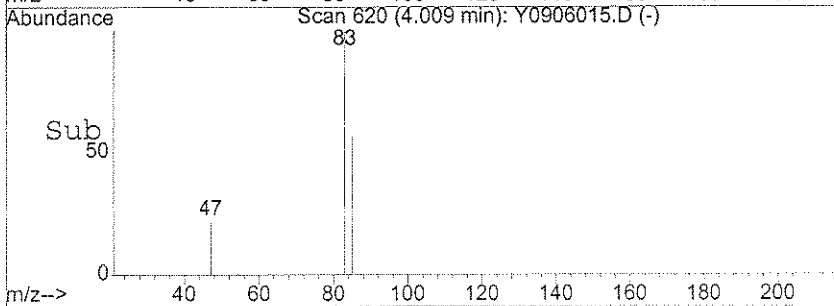
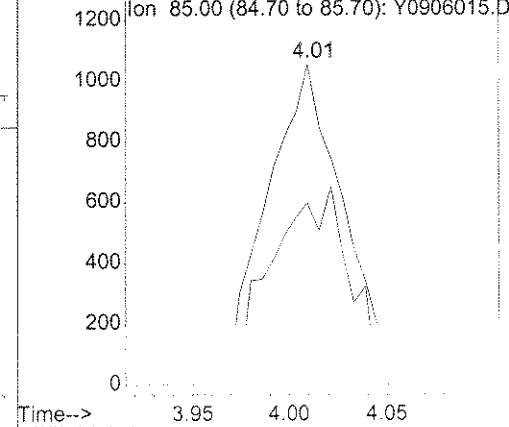


#31
 Chloroform
 Concen: 0.71 ug/l
 RT: 4.01 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: Y0906015.D
 Acq: 6 Sep 2006 13:29

Tgt Ion: 83 Resp: 2819
 Ion Ratio Lower Upper
 83 100
 85 61.8 44.6 84.6

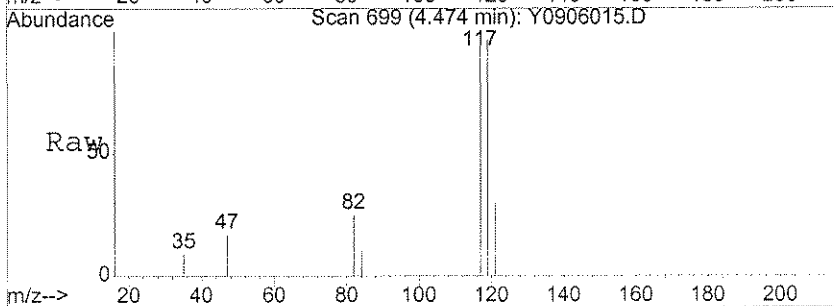


Abundance Ion 83.00 (82.70 to 83.70): Y0906015.D
 Ion 85.00 (84.70 to 85.70): Y0906015.D

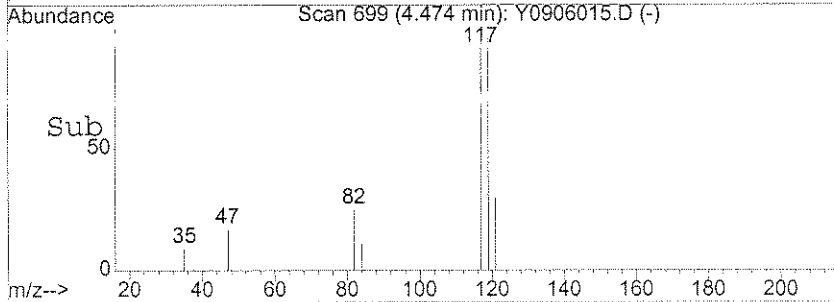
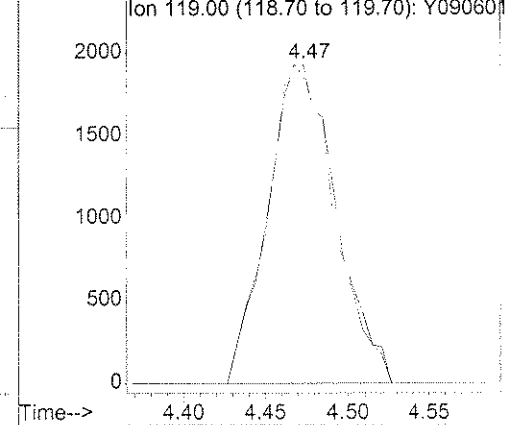


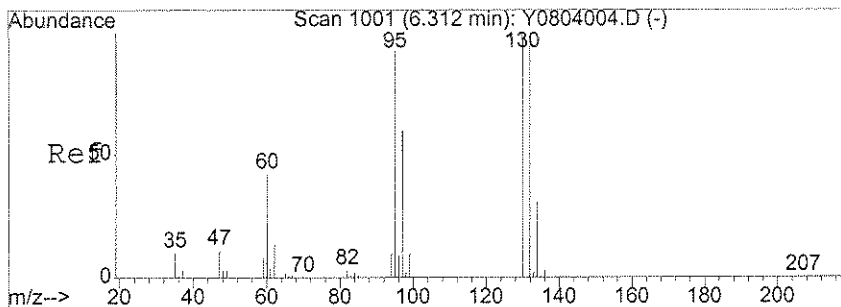
#35
 Carbon Tetrachloride
 Concen: 2.47 ug/l
 RT: 4.47 min Scan# 699
 Delta R.T. -0.00 min
 Lab File: Y0906015.D
 Acq: 6 Sep 2006 13:29

Tgt Ion: 117 Resp: 5586
 Ion Ratio Lower Upper
 117 100
 119 97.3 78.2 118.2



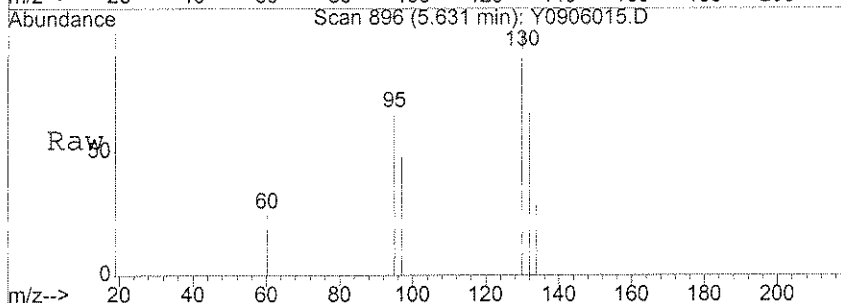
Abundance Ion 117.00 (116.70 to 117.70): Y0906015.D
 Ion 119.00 (118.70 to 119.70): Y0906015.D



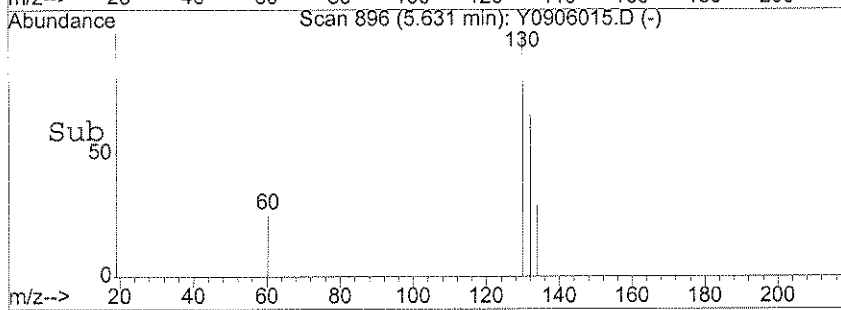
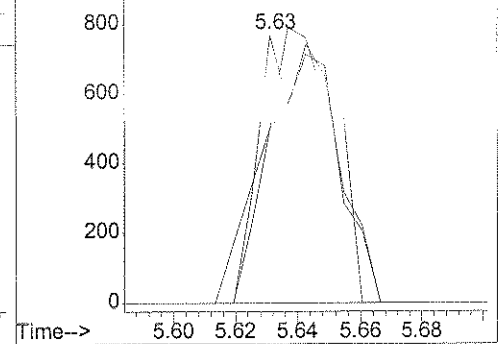


#42
 Trichloroethene
 Concen: 0.42 ug/l
 RT: 5.63 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: Y0906015.D
 Acq: 6 Sep 2006 13:29

Tgt Ion	Resp	Lower	Upper
130	1246		
130	100		
132	103.8	76.9	116.9
95	91.1	67.3	107.3



Abundance Ion 130.00 (129.70 to 130.70): Y090601
 Ion 132.00 (131.70 to 132.70): Y090601
 1000 Ion 95.00 (94.70 to 95.70): Y0906015.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906015.D Vial: 24
Acq On : 6 Sep 2006 13:29 Operator: DGA
Sample : JPL18-009 MW-12-4 Inst : yoda
Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906015.D 8260B.M Thu Sep 07 07:14:19 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-010
 Lab File ID: Y0906016.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 13:54
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.54	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906016.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 13:54

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-010

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906016.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 13:54

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-12-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-010
 Lab File ID: Y0906016.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

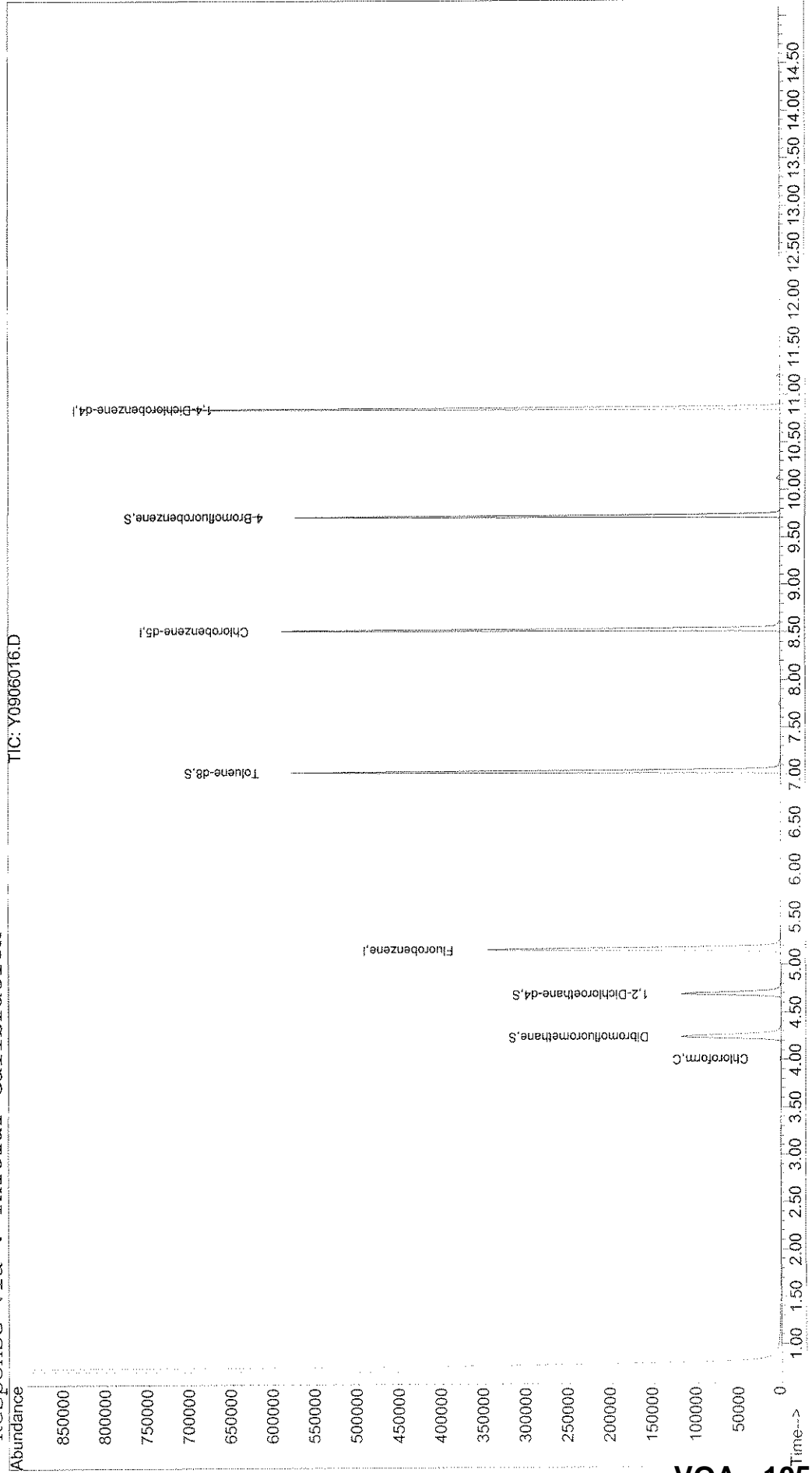
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906016.D Vial: 25
Acq On : 6 Sep 2006 13:54 Operator: DGA
Sample : JPL18-010 MW-12-3 Inst : Yoda
Misc : 5mL +IS/SS #1 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:15 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906016.D
 Acq On : 6 Sep 2006 13:54
 Sample : JPL18-010 MW-12-3
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:15 2006

Vial: 25
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	386562	50.00	ug/l	0.00 93.41%
50) Chlorobenzene-d5	8.53	82	156208	50.00	ug/l	0.00 84.74%
69) 1,4-Dichlorobenzene-d4	10.87	152	190441	50.00	ug/l	0.00 80.88%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	106792	50.78	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	107376	54.33	ug/l	0.00
51) Toluene-d8	7.04	98	375255	52.61	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	142662	52.11	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.86	76	416	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.	d	
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0906016.D 8260B.M Thu Sep 07 07:15:44 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906016.D
 Acq On : 6 Sep 2006 13:54
 Sample : JPL18-010 MW-12-3
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:15 2006

Vial: 25
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	2086	0.54	ug/l	91
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D. d	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	579		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	258		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	291		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	72		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	64		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906016.D 8260B.M Thu Sep 07 07:15:44 2006

[Handwritten Signature]
 Page 2
VOA - 107

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906016.D
 Acq On : 6 Sep 2006 13:54
 Sample : JPL18-010 MW-12-3
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:15 2006

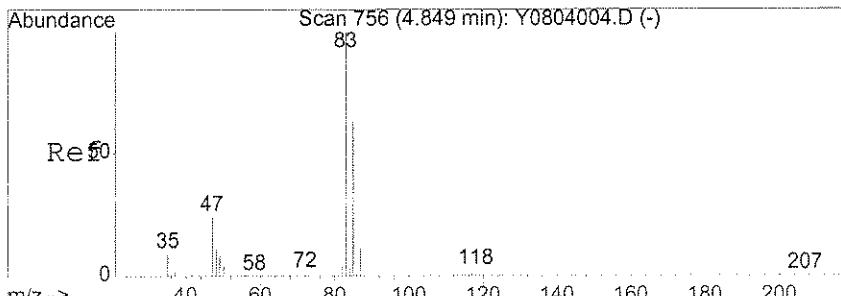
Vial: 25
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

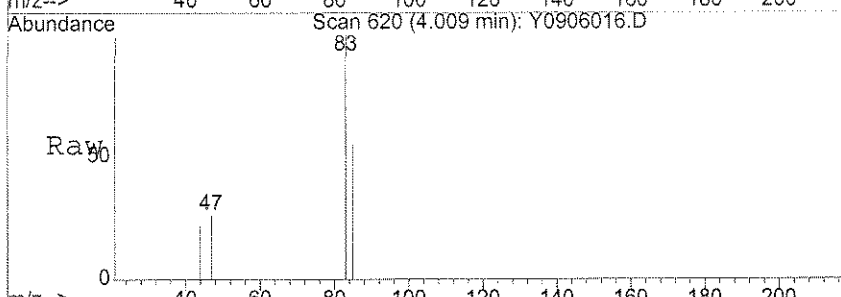
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	71		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	71		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.72	105	122		N.D.	
81) sec-butylbenzene	10.72	105	122		N.D.	
82) 4-Isopropyltoluene	10.87	119	288		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	60		N.D.	
85) n-Butylbenzene	11.28	91	171		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	54		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0906016.D 8260B.M Thu Sep 07 07:15:44 2006

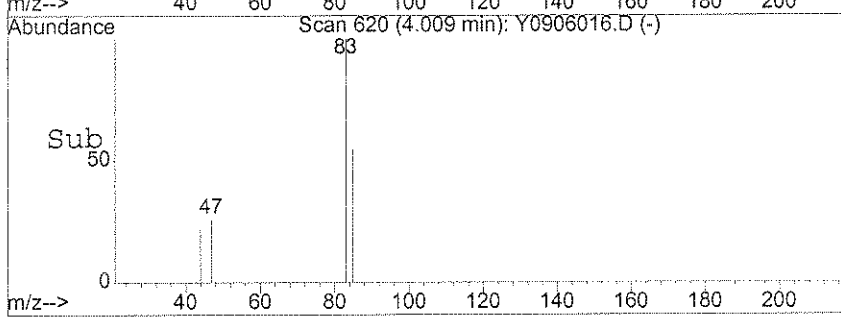
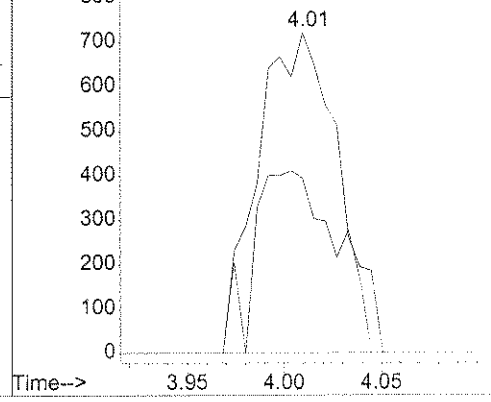


#31
 Chloroform
 Concen: 0.54 ug/l
 RT: 4.01 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: Y0906016.D
 Acq: 6 Sep 2006 13:54

Tgt Ion	Resp	Lower	Upper
83	2086	100	
85	57.5	44.6	84.6



Abundance Ion 83.00 (82.70 to 83.70): Y0906016.D
 Ion 85.00 (84.70 to 85.70): Y0906016.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906016.D Vial: 25
Acq On : 6 Sep 2006 13:54 Operator: DGA
Sample : JPL18-010 MW-12-3 Inst : yoda
Misc : 5mL +IS/SS #1 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906016.D 8260B.M Thu Sep 07 07:15:55 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-011
 Lab File ID: Y0906017.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 14:19
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.57	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-011

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906017.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 14:19

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-011
 Lab File ID: Y0906017.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 14:19
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-12-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-011
 Lab File ID: Y0906017.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

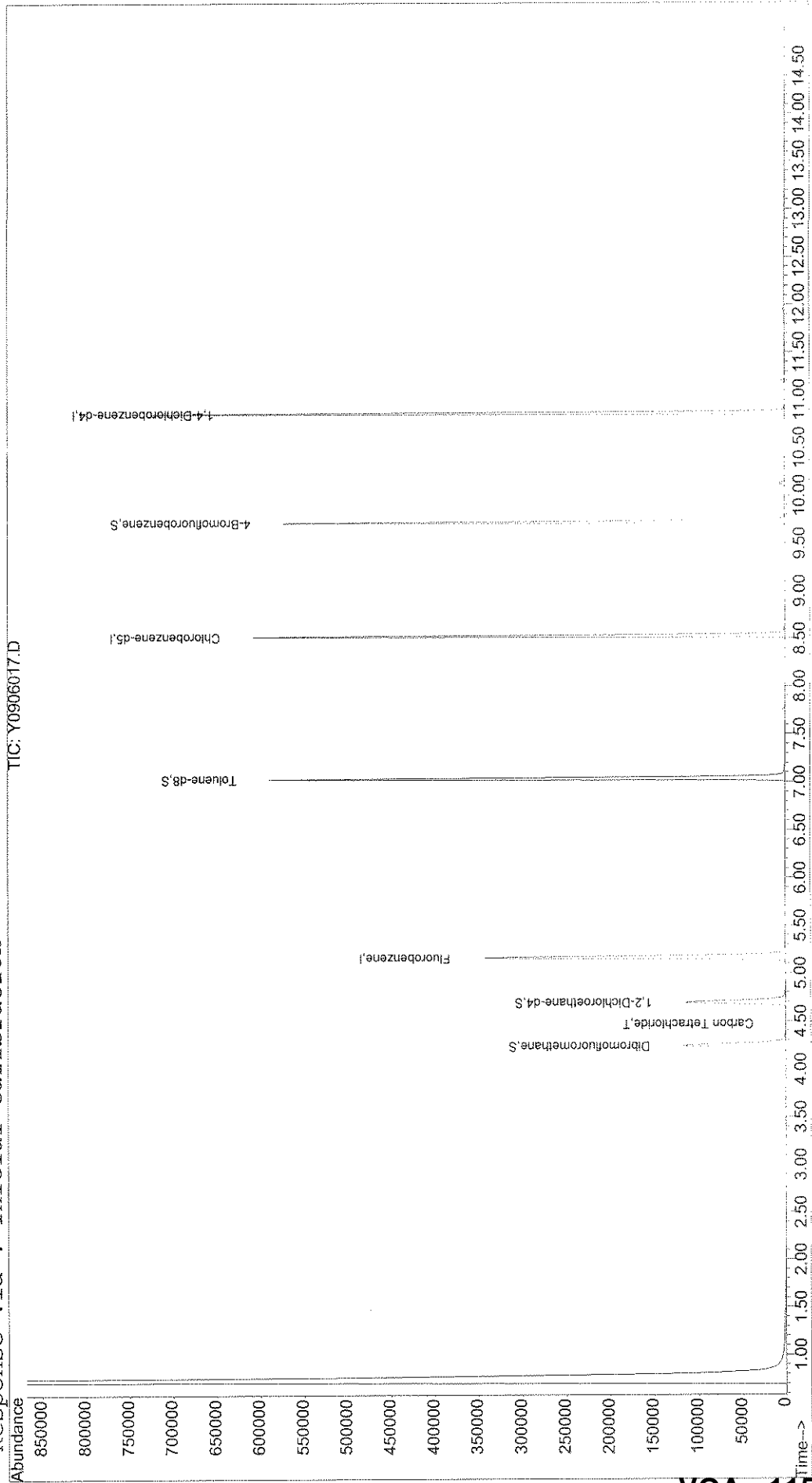
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906017.D Vial: 26
Acq On : 6 Sep 2006 14:19 Operator: DGA
Sample : JPL18-011 MW-12-2 Inst : yoda
Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:17 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906017.D
 Acq On : 6 Sep 2006 14:19
 Sample : JPL18-011 MW-12-2
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:17 2006

Vial: 26
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	381717	50.00	ug/l	0.00 92.24%
50) Chlorobenzene-d5	8.53	82	156851	50.00	ug/l	0.00 85.09%
69) 1,4-Dichlorobenzene-d4	10.86	152	186993	50.00	ug/l	0.00 79.42%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	105731	50.92	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	105755	54.19	ug/l	0.00
51) Toluene-d8	7.04	98	371529	51.87	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	140466	52.25	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	315	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0906017.D 8260B.M Thu Sep 07 07:17:27 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906017.D
 Acq On : 6 Sep 2006 14:19
 Sample : JPL18-011 MW-12-2
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:17 2006

Vial: 26
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.02	83	61		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	4.47	117	446	0.57	ug/l	96
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	60		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	113		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	79		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.23	104	76		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906017.D 8260B.M Thu Sep 07 07:17:28 2006

J. J. J.
 Page 2
VOA - 117

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906017.D
 Acq On : 6 Sep 2006 14:19
 Sample : JPL18-011 MW-12-2
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:17 2006

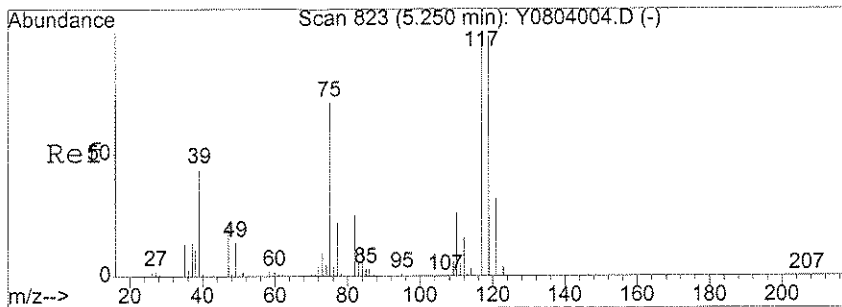
Vial: 26
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

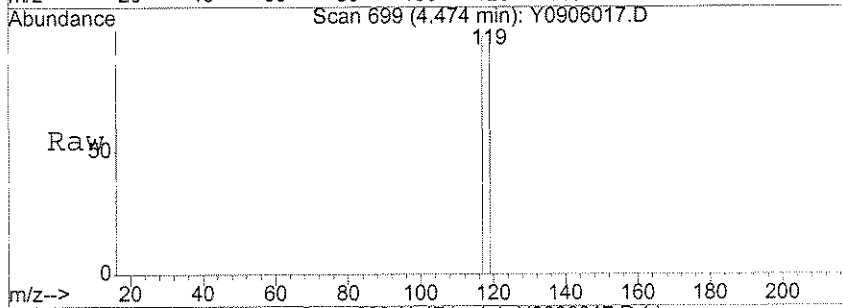
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.00	91	55		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.00	91	55		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.73	105	142		N.D.	
81) sec-butylbenzene	10.73	105	142		N.D.	
82) 4-Isopropyltoluene	10.88	119	146		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	63		N.D.	
85) n-Butylbenzene	11.28	91	210		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	13.05	128	58		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906017.D 8260B.M Thu Sep 07 07:17:28 2006

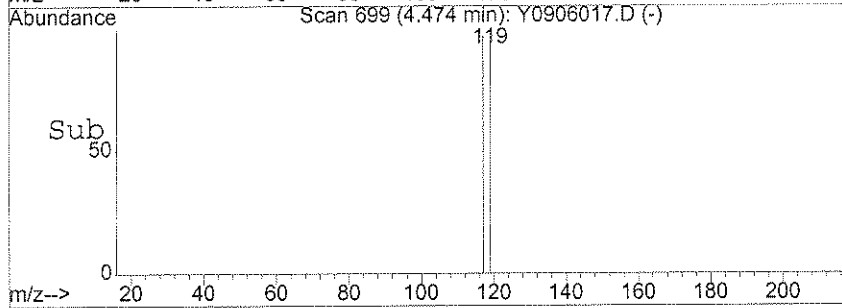
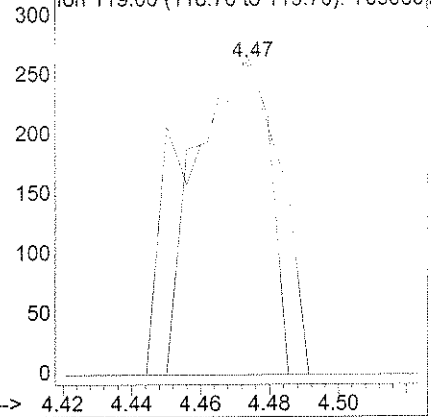


#35
 Carbon Tetrachloride
 Concen: 0.57 ug/l
 RT: 4.47 min Scan# 699
 Delta R.T. -0.00 min
 Lab File: Y0906017.D
 Acq: 6 Sep 2006 14:19

Tgt Ion	Resp	Lower	Upper
117	100		
119	101.8	78.2	118.2



Abundance Ion 117.00 (116.70 to 117.70): Y090601
 Ion 119.00 (118.70 to 119.70): Y090601



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906017.D Vial: 26
Acq On : 6 Sep 2006 14:19 Operator: DGA
Sample : JPL18-011 MW-12-2 Inst : yoda
Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906017.D 8260B.M Thu Sep 07 07:17:58 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906018.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 14:43

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-012
 Lab File ID: Y0906018.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 14:43
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-12-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-012
 Lab File ID: Y0906018.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 14:43
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-12-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL18-012

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906018.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date Analyzed: 09/06/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

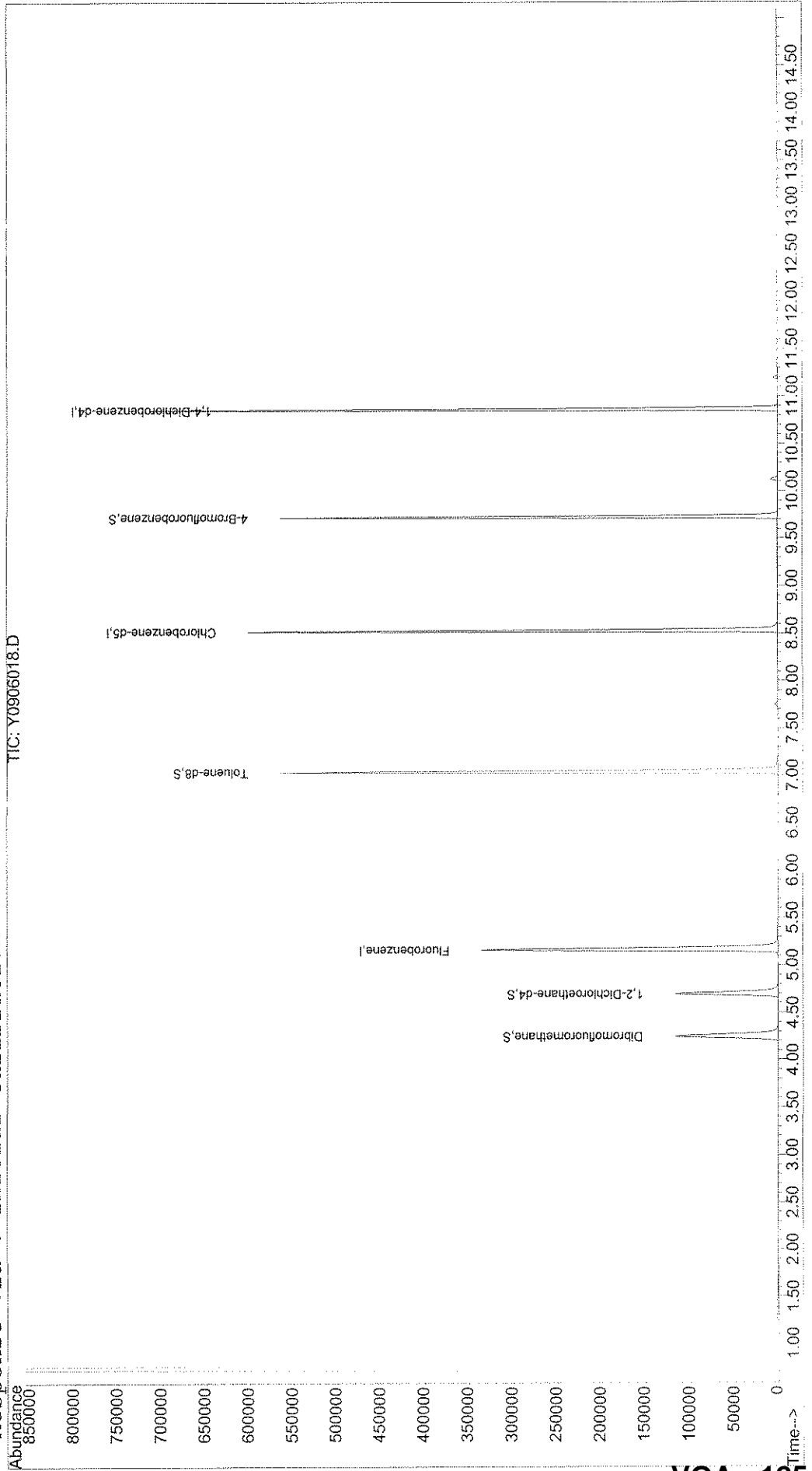
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906018.D Vial: 27
Acq On : 6 Sep 2006 14:43 Operator: DGA
Sample : JPL18-012 MW-12-1 Inst : Yoda
Misc : 5mL +IS/SS #1 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:18 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906018.D
 Acq On : 6 Sep 2006 14:43
 Sample : JPL18-012 MW-12-1
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:18 2006

Vial: 27
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	374286	50.00	ug/l	0.00 90.44%
50) Chlorobenzene-d5	8.53	82	154676	50.00	ug/l	0.00 83.91%
69) 1,4-Dichlorobenzene-d4	10.86	152	188141	50.00	ug/l	0.00 79.90%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	104729	51.44	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	104784	54.75	ug/l	0.00
51) Toluene-d8	7.04	98	366929	51.95	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	140231	51.85	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.86	76	150	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906018.D
 Acq On : 6 Sep 2006 14:43
 Sample : JPL18-012 MW-12-1
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:18 2006

Vial: 27
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	143		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.83	91	359		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	61		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906018.D 8260B.M Thu Sep 07 07:18:51 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906018.D
 Acq On : 6 Sep 2006 14:43
 Sample : JPL18-012 MW-12-1
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:18 2006

Vial: 27
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.17	91	62		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.17	91	62		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.73	105	78		N.D.	
81) sec-butylbenzene	10.73	105	78		N.D.	
82) 4-Isopropyltoluene	10.88	119	129		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	55		N.D.	
85) n-Butylbenzene	11.28	91	62		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906018.D Vial: 27
Acq On : 6 Sep 2006 14:43 Operator: DGA
Sample : JPL18-012 MW-12-1 Inst : yoda
Misc : 5mL +IS/SS #1 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906018.D 8260B.M Thu Sep 07 07:18:57 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-22-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-013
 Lab File ID: Y0906019.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 15:08
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-22-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-013
 Lab File ID: Y0906019.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 15:08
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-22-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-013
 Lab File ID: Y0906019.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 15:08
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-22-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-013
 Lab File ID: Y0906019.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

01	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

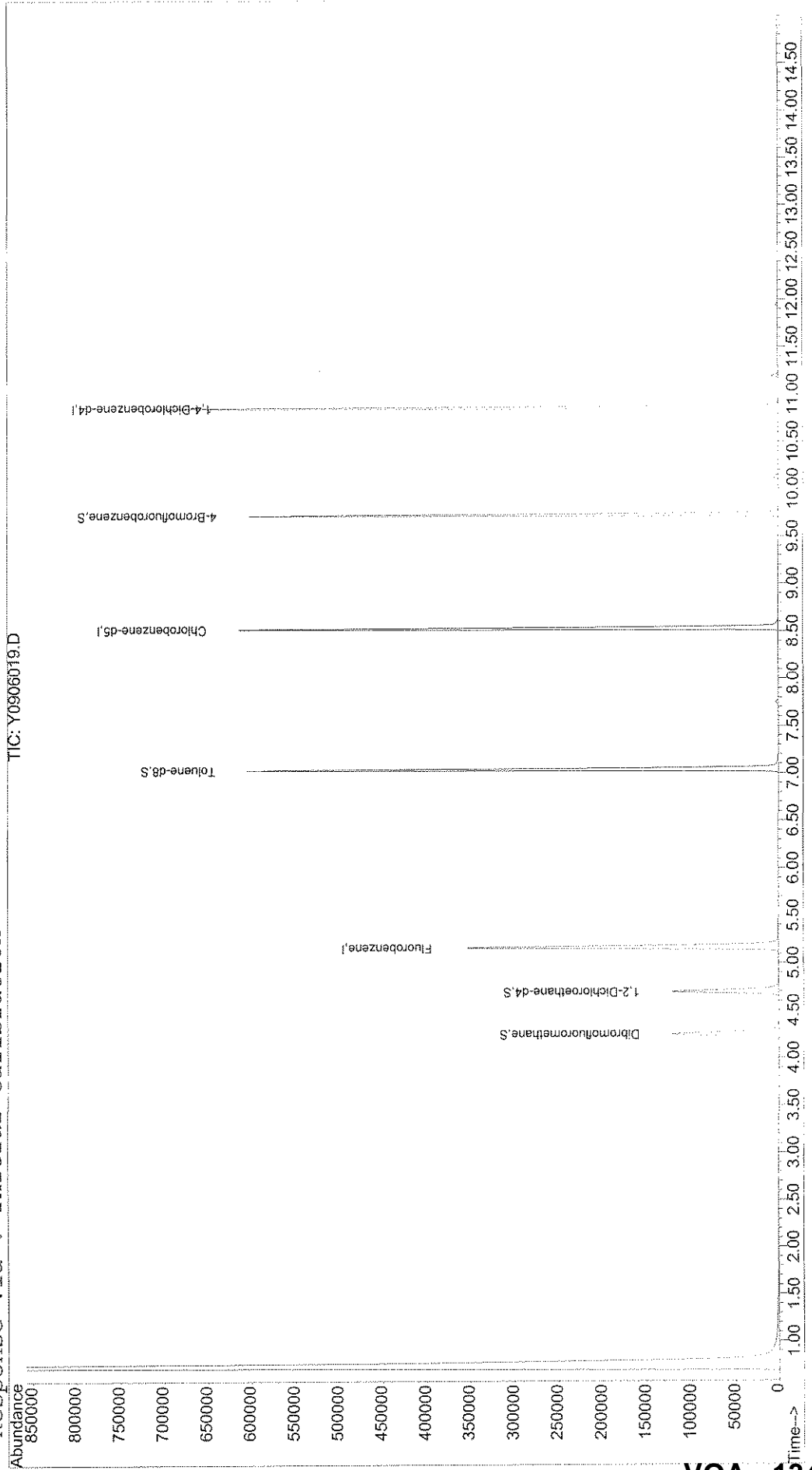
Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906019.D
Acq On : 6 Sep 2006 15:08
Sample : JPL18-013 MW-22-3
Misc : 5mL +IS/SS #2 (524)
MS Integration Params: rteint.p
Quant Time: Sep 7 7:19 2006

Vial: 28
Operator: DGA
Inst : yoda
Multiplr: 1.00

Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906019.D
 Acq On : 6 Sep 2006 15:08
 Sample : JPL18-013 MW-22-3
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:19 2006

Vial: 28
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	5.17	96	397469	50.00	ug/l	0.00 96.04%
50) Chlorobenzene-d5	8.53	82	162187	50.00	ug/l	0.00 87.98%
69) 1,4-Dichlorobenzene-d4	10.87	152	189131	50.00	ug/l	0.00 80.33%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	111401	51.52	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	109929	54.09	ug/l	0.00
51) Toluene-d8	7.04	98	383753	51.82	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	144509	53.15	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	468	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0906019.D 8260B.M Thu Sep 07 07:20:00 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906019.D
 Acq On : 6 Sep 2006 15:08
 Sample : JPL18-013 MW-22-3
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:19 2006

Vial: 28
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	174		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	204		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.68	166	65		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	68		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	84		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	74		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906019.D 8260B.M Thu Sep 07 07:20:00 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906019.D
 Acq On : 6 Sep 2006 15:08
 Sample : JPL18-013 MW-22-3
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:19 2006

Vial: 28
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.17	91	53		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.17	91	53		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	58		N.D.	
81) sec-butylbenzene	10.55	105	58		N.D.	
82) 4-Isopropyltoluene	0.00	119	0		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	254		N.D.	
85) n-Butylbenzene	11.28	91	79		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	134		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0906019.D 8260B.M Thu Sep 07 07:20:01 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906019.D Vial: 28
Acq On : 6 Sep 2006 15:08 Operator: DGA
Sample : JPL18-013 MW-22-3 Inst : yoda
Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906019.D 8260B.M Thu Sep 07 07:20:08 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-22-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-014
 Lab File ID: Y0906020.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 15:33
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-22-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-014
 Lab File ID: Y0906020.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 15:33
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-22-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-014
 Lab File ID: Y0906020.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 15:33
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-22-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL18-014

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906020.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date Analyzed: 09/06/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

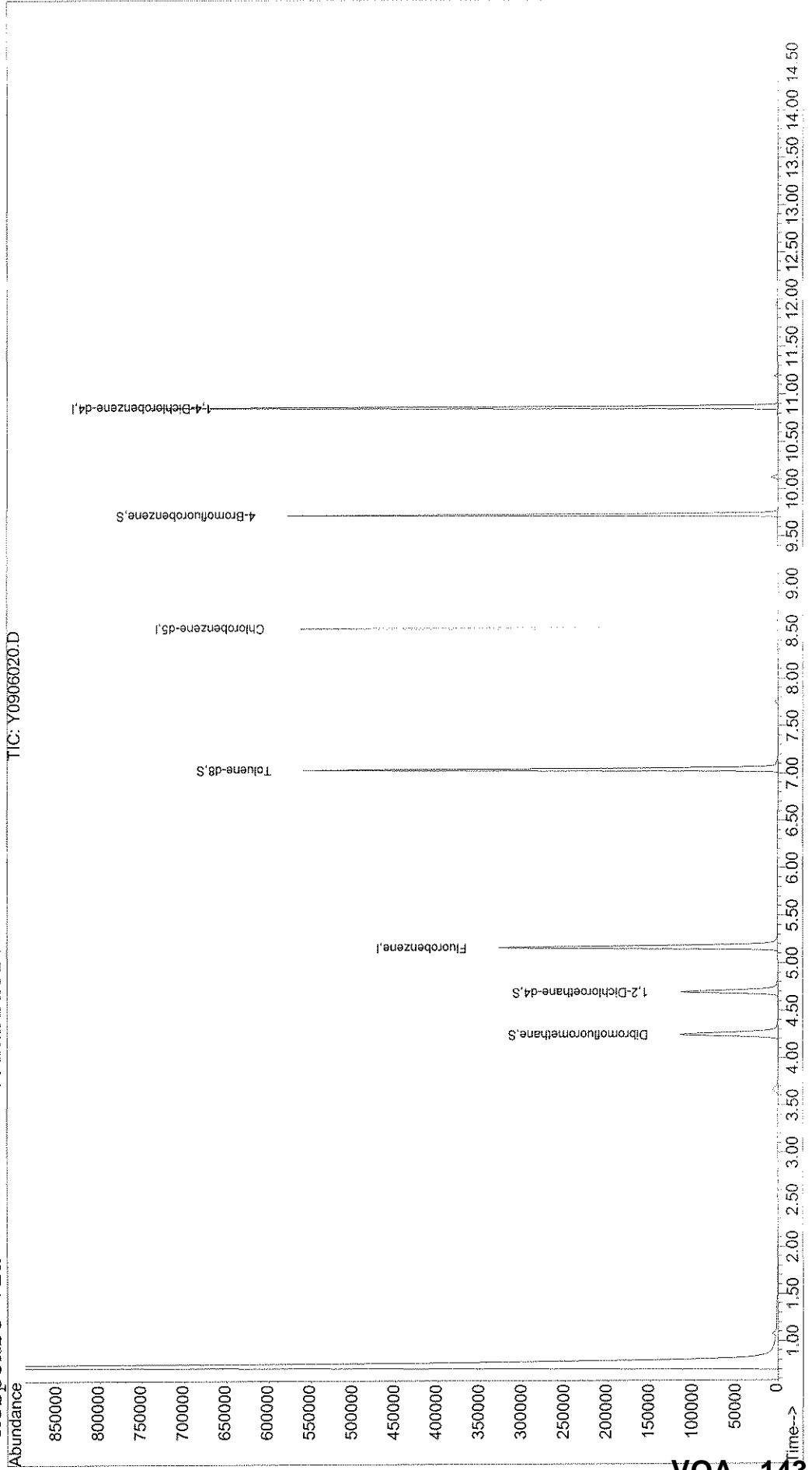
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906020.D Vial: 29
Acq On : 6 Sep 2006 15:33 Operator: DGA
Sample : JPL18-014 MW-22-2 Inst : yoda
Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:20 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



VOA - 143

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906020.D
 Acq On : 6 Sep 2006 15:33
 Sample : JPL18-014 MW-22-2
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:20 2006

Vial: 29
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	365021	50.00	ug/l	0.00 88.20%
50) Chlorobenzene-d5	8.53	82	151853	50.00	ug/l	0.00 82.38%
69) 1,4-Dichlorobenzene-d4	10.87	152	186489	50.00	ug/l	0.00 79.20%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	101907	51.32	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	101839	54.57	ug/l	0.00
51) Toluene-d8	7.04	98	359622	51.86	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	138908	51.81	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	169	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906020.D
 Acq On : 6 Sep 2006 15:33
 Sample : JPL18-014 MW-22-2
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:20 2006

Vial: 29
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	204		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	520		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.69	166	75		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	53		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	72		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906020.D 8260B.M Thu Sep 07 07:21:07 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906020.D
 Acq On : 6 Sep 2006 15:33
 Sample : JPL18-014 MW-22-2
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:20 2006

Vial: 29
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	58		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	58		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	0.00	119	0		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	116		N.D.	
84) 1,4-Dichlorobenzene	10.88	146	222		N.D.	
85) n-Butylbenzene	11.27	91	114		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	248		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0906020.D 8260B.M Thu Sep 07 07:21:07 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906020.D Vial: 29
Acq On : 6 Sep 2006 15:33 Operator: DGA
Sample : JPL18-014 MW-22-2 Inst : yoda
Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906020.D 8260B.M Fri Sep 08 10:22:18 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-22-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-015

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906021.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 15:57

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-22-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-015
 Lab File ID: Y0906021.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 15:57
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-22-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-015

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906021.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 15:57

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-22-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-015
 Lab File ID: Y0906021.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

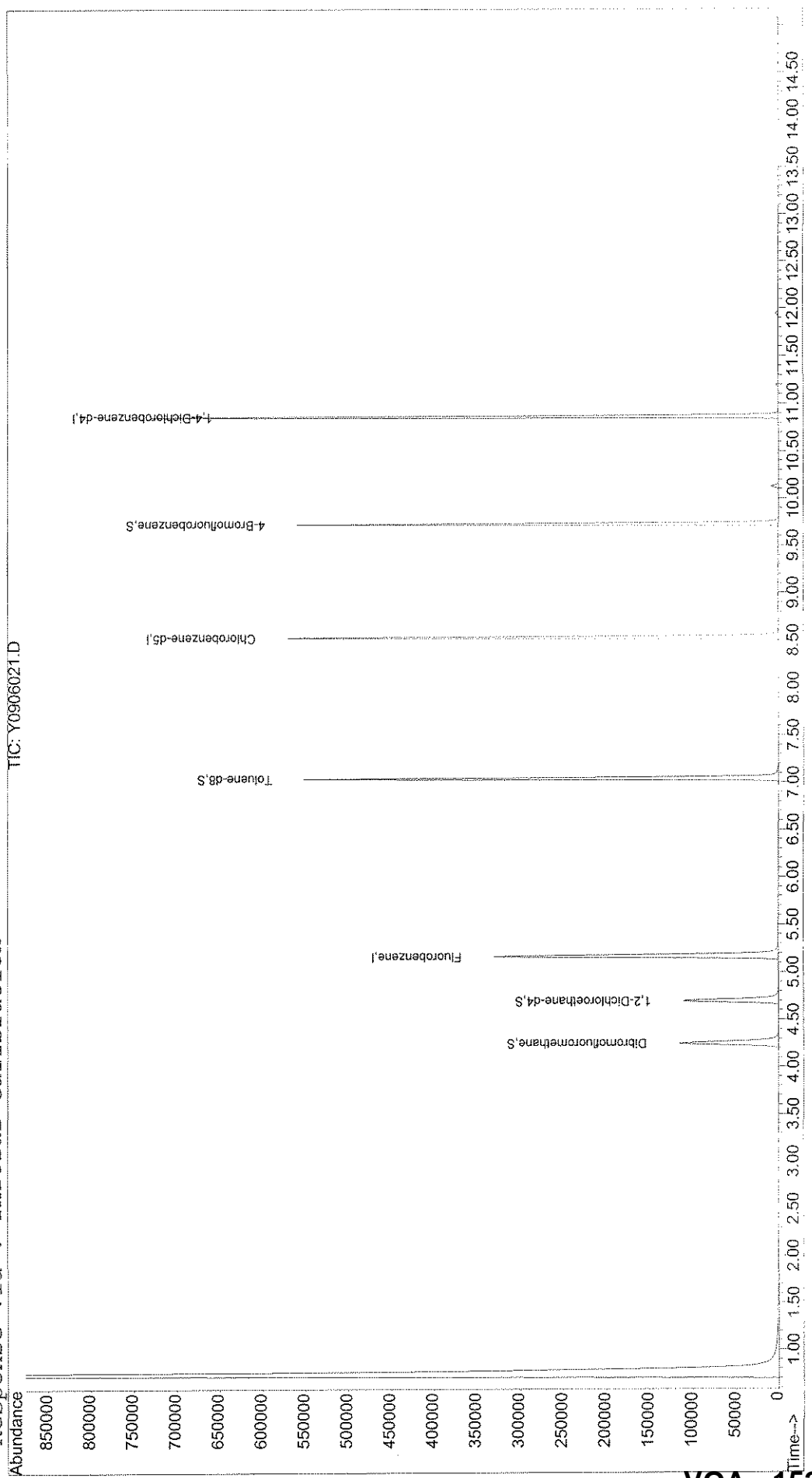
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906021.D Vial: 30
Acq On : 6 Sep 2006 15:57 Operator: DGA
Sample : JPL18-015 MW-22-1 Inst : Yoda
Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:21 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906021.D Vial: 30
 Acq On : 6 Sep 2006 15:57 Operator: DGA
 Sample : JPL18-015 MW-22-1 Inst : yoda
 Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:21 2006

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	366771	50.00	ug/l	0.00 88.63%
50) Chlorobenzene-d5	8.53	82	152473	50.00	ug/l	0.00 82.71%
69) 1,4-Dichlorobenzene-d4	10.87	152	191898	50.00	ug/l	0.00 81.50%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	101773	51.01	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	103859	55.38	ug/l	0.00
51) Toluene-d8	7.04	98	355049	51.00	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	139162	50.44	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	128	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0906021.D 8260B.M Thu Sep 07 07:22:02 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906021.D
 Acq On : 6 Sep 2006 15:57
 Sample : JPL18-015 MW-22-1
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:21 2006

Vial: 30
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.12	92	59		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.68	166	77		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	65		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	56		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	90		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906021.D 8260B.M Thu Sep 07 07:22:02 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906021.D
 Acq On : 6 Sep 2006 15:57
 Sample : JPL18-015 MW-22-1
 Misc : 5mL +IS/SS #2 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:21 2006

Vial: 30
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	54		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	54		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.88	119	69		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	62		N.D.	
85) n-Butylbenzene	0.00	91	0		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration

Y0906021.D 8260B.M Thu Sep 07 07:22:03 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906021.D Vial: 30
Acq On : 6 Sep 2006 15:57 Operator: DGA
Sample : JPL18-015 MW-22-1 Inst : yoda
Misc : 5mL +IS/SS #2 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906021.D 8260B.M Thu Sep 07 07:22:06 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906022.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 16:22

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.26	J
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.27	J
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906022.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 16:22

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.5	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromofom	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-016

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906022.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 16:22

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-016
 Lab File ID: Y0906022.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

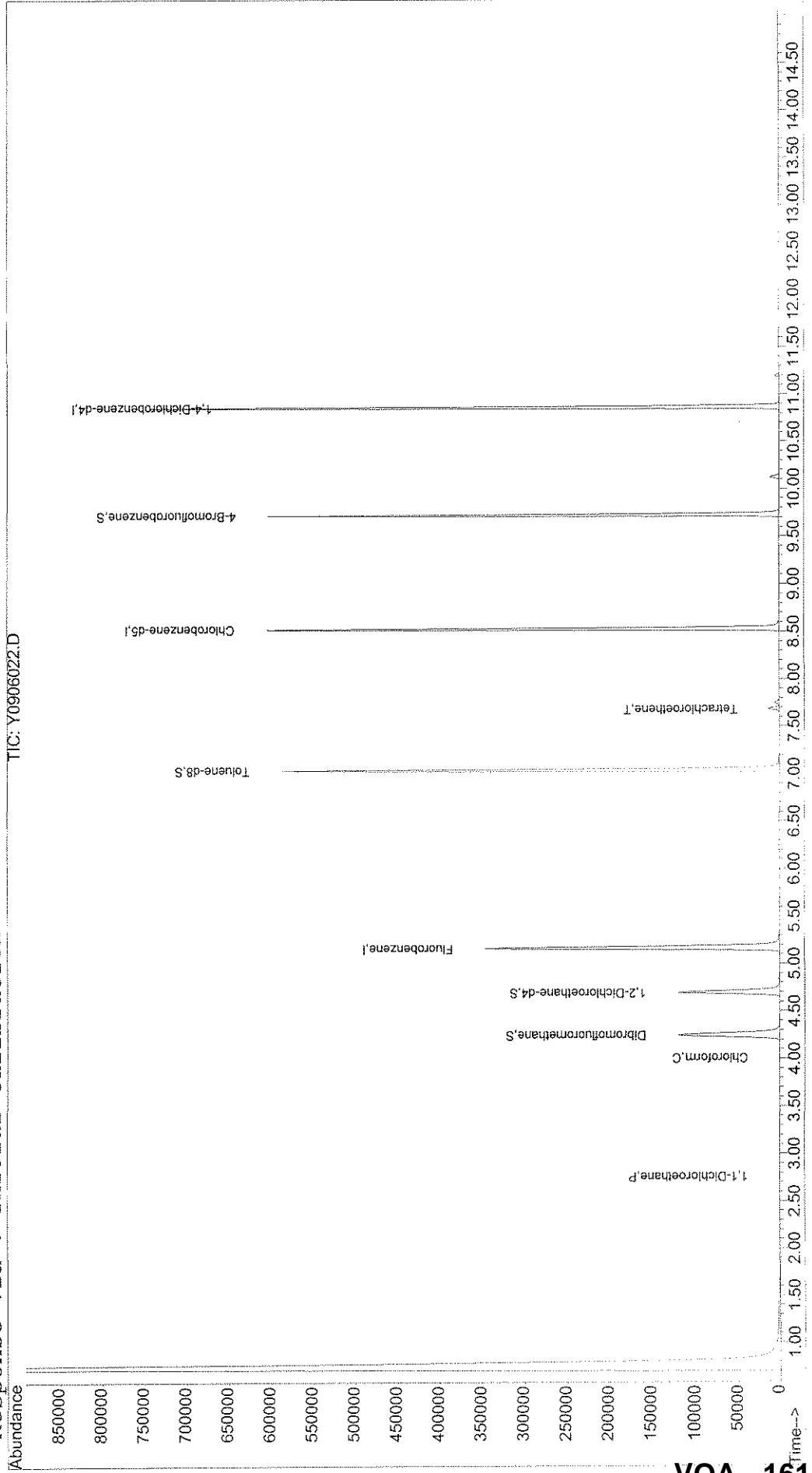
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906022.D Vial: 31
Acq On : 6 Sep 2006 16:22 Operator: DGA
Sample : JPL18-016 EB-8-8/24/06 Inst : yoda
Misc : 5mL +IS/SS #1 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:22 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906022.D
 Acq On : 6 Sep 2006 16:22
 Sample : JPL18-016 EB-8-8/24/06
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:22 2006

Vial: 31
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	390258	50.00	ug/l	0.00 94.30%
50) Chlorobenzene-d5	8.53	82	160924	50.00	ug/l	0.00 87.30%
69) 1,4-Dichlorobenzene-d4	10.87	152	193411	50.00	ug/l	0.00 82.14%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	107363	50.57	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	108457	54.35	ug/l	0.00
51) Toluene-d8	7.04	98	378353	51.49	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	145064	52.17	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	63	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.76	63	980	0.26	ug/l	65
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0906022.D 8260B.M Thu Sep 07 07:23:22 2006

Page 1
 VOA - 162

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906022.D
 Acq On : 6 Sep 2006 16:22
 Sample : JPL18-016 EB-8-8/24/06
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:22 2006

Vial: 31
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	1055	0.27	ug/l	83
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.63	130	125		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	127		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.68	166	4391	1.48	ug/l	98
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.82	91	129		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.38	173	53		N.D.	
68) Isopropylbenzene	9.72	105	116		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906022.D 8260B.M Thu Sep 07 07:23:22 2006

J. J. J.
 Page 2
VOA - 163

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906022.D
 Acq On : 6 Sep 2006 16:22
 Sample : JPL18-016 EB-8-8/24/06
 Misc : 5mL +IS/SS #1 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:22 2006

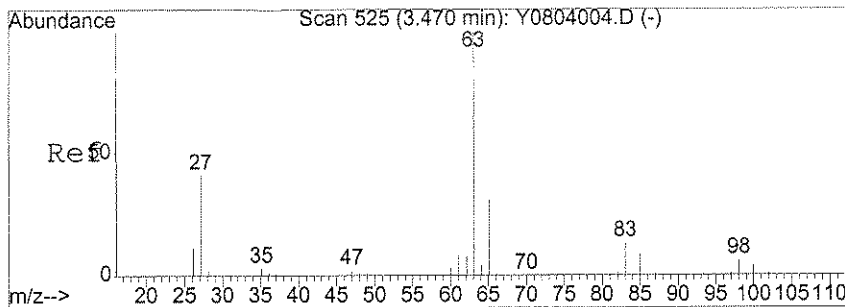
Vial: 31
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

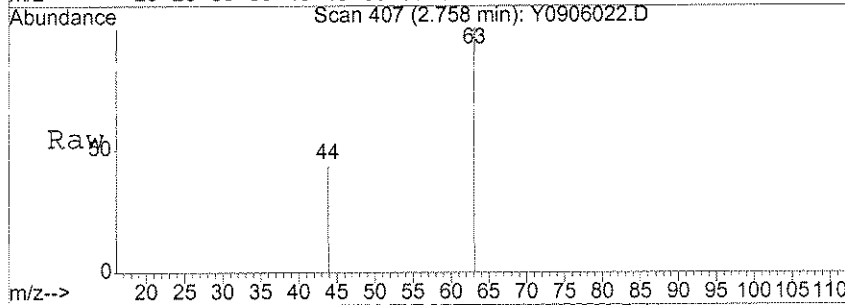
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	10.88	119	125		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	11.28	91	56		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	55		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906022.D 8260B.M Thu Sep 07 07:23:23 2006

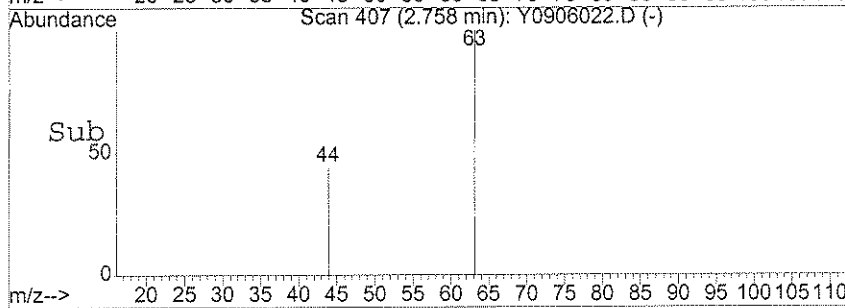
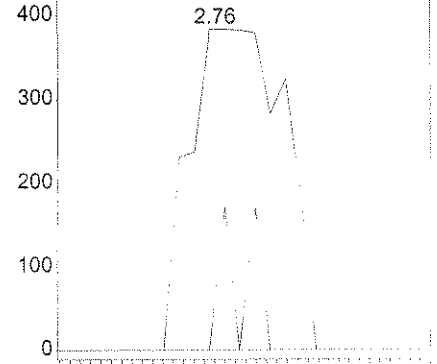


#23
 1,1-Dichloroethane
 Concen: 0.26 ug/l
 RT: 2.76 min Scan# 407
 Delta R.T. -0.01 min
 Lab File: Y0906022.D
 Acq: 6 Sep 2006 16:22

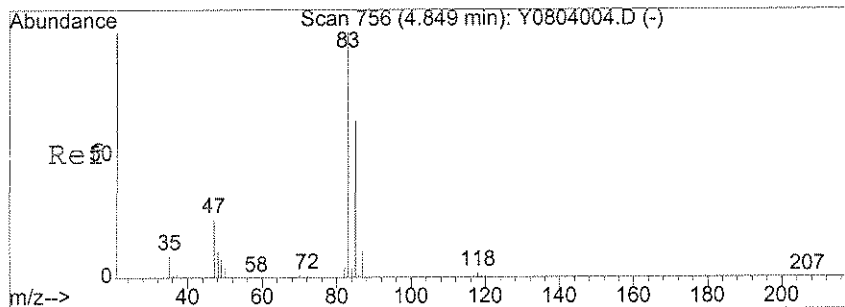
Tgt Ion: 63 Resp: 980
 Ion Ratio Lower Upper
 63 100
 65 12.3 12.1 52.1



Abundance Ion 63.00 (62.70 to 63.70): Y0906022.D
 Ion 65.00 (64.70 to 65.70): Y0906022.D

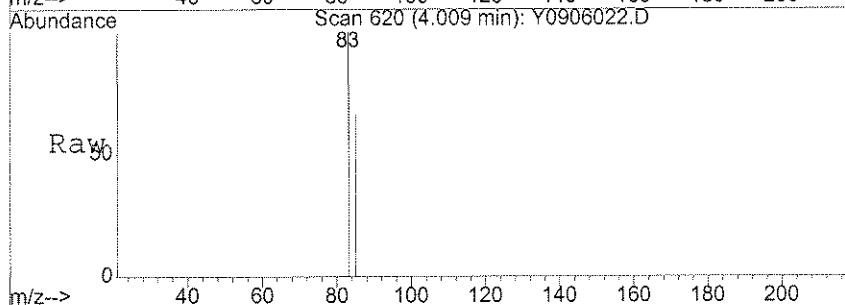


Time--> 2.70 2.72 2.74 2.76 2.78 2.80 2.82

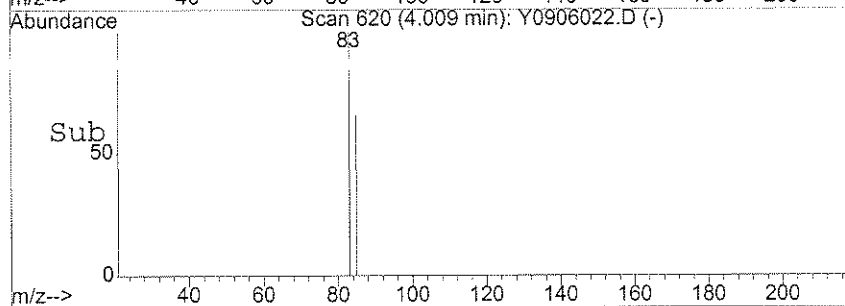
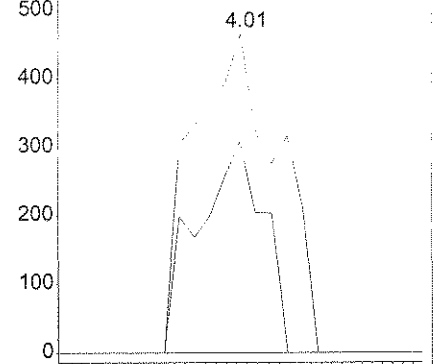


#31
 Chloroform
 Concen: 0.27 ug/l
 RT: 4.01 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: Y0906022.D
 Acq: 6 Sep 2006 16:22

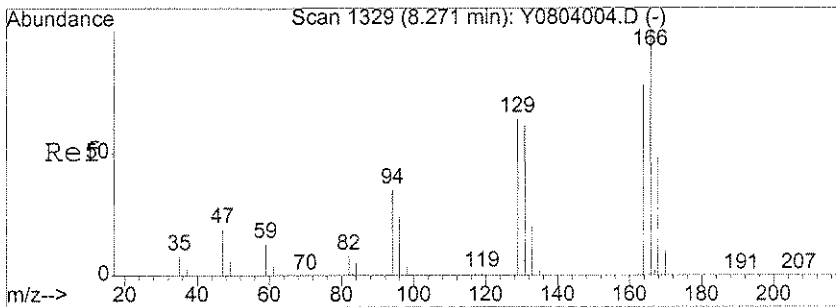
Tgt Ion: 83 Resp: 1055
 Ion Ratio Lower Upper
 83 100
 85 51.4 44.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): Y0906022.D
 Ion 85.00 (84.70 to 85.70): Y0906022.D

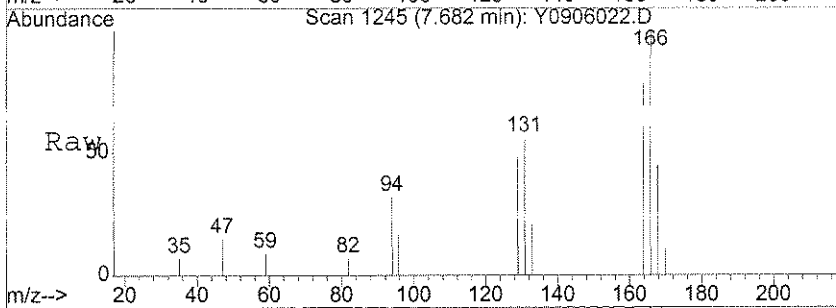


Time--> 3.94 3.96 3.98 4.00 4.02 4.04 4.06

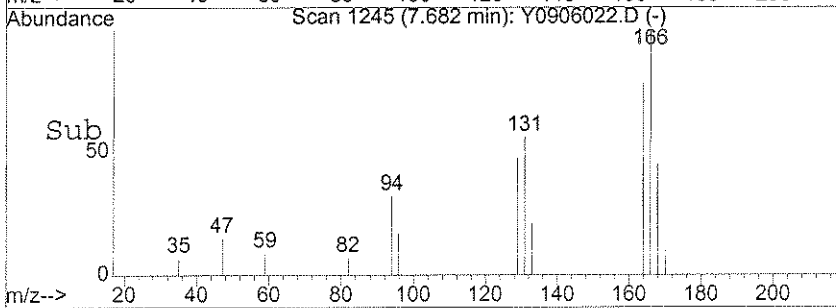
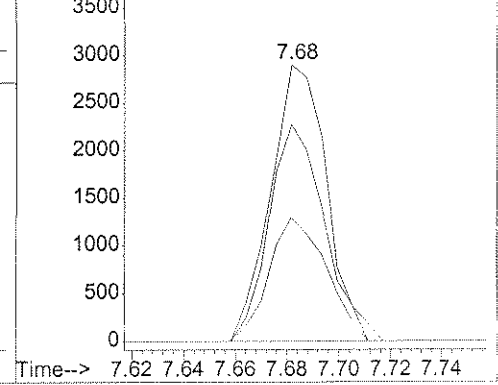


#56
 Tetrachloroethene
 Concen: 1.48 ug/l
 RT: 7.68 min Scan# 1245
 Delta R.T. -0.01 min
 Lab File: Y0906022.D
 Acq: 6 Sep 2006 16:22

Tgt Ion	Resp	Lower	Upper
166	4391		
164	76.0	61.7	92.5
168	45.2	38.6	57.8



Abundance
 Ion 165.95 (165.65 to 166.65): Y090602
 Ion 163.95 (163.65 to 164.65): Y090602
 Ion 167.95 (167.65 to 168.65): Y090602



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906022.D Vial: 31
Acq On : 6 Sep 2006 16:22 Operator: DGA
Sample : JPL18-016 EB-8-8/24/06 Inst : yoda
Misc : 5mL +IS/SS #1 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906022.D 8260B.M Thu Sep 07 07:23:37 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-017

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906012.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 12:15

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-017
 Lab File ID: Y0906012.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 12:15
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-017
 Lab File ID: Y0906012.D
 Date Collected: 08/24/2006
 Date/Time Analyzed: 09/06/2006 12:15
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-017
 Lab File ID: Y0906012.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

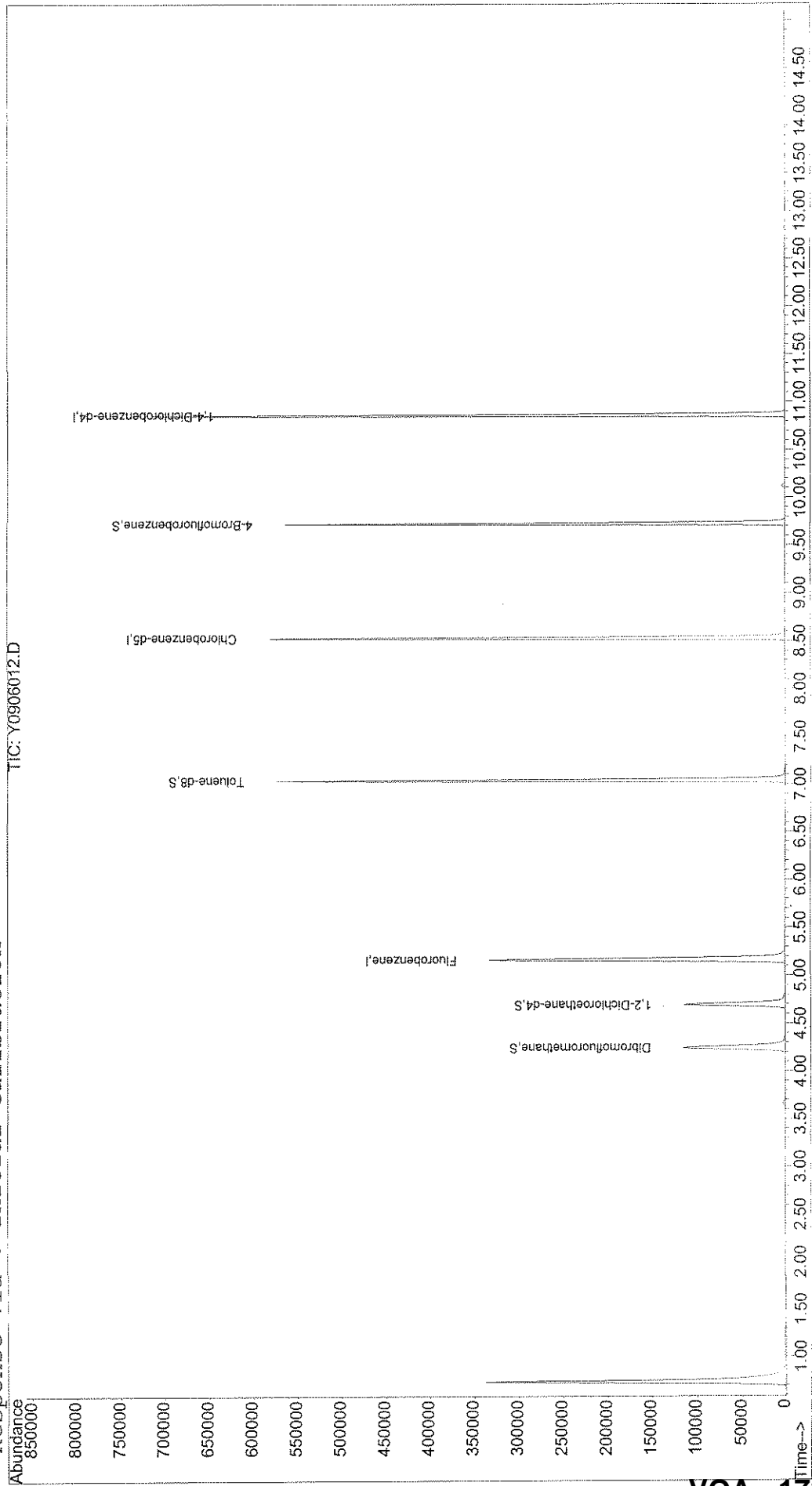
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906012.D Vial: 22
Acq On : 6 Sep 2006 12:15 Operator: DGA
Sample : JPL18-017 TB-7-8/23/06 Inst : yoda
Misc : 5mL +IS/SS #3 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 7:07 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906012.D
 Acq On : 6 Sep 2006 12:15
 Sample : JPL18-017 TB-7-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:07 2006

Vial: 22
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\083106\Y0831022.D (31 Aug 2006 14:08)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	371092	50.00	ug/l	0.00 89.67%
50) Chlorobenzene-d5	8.53	82	153913	50.00	ug/l	0.00 83.49%
69) 1,4-Dichlorobenzene-d4	10.87	152	186923	50.00	ug/l	0.00 79.39%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	103482	51.26	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	103089	54.33	ug/l	0.00
51) Toluene-d8	7.04	98	363392	51.71	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	138556	51.56	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	78	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Y0906012.D 8260B.M Thu Sep 07 07:07:15 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906012.D
 Acq On : 6 Sep 2006 12:15
 Sample : JPL18-017 TB-7-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:07 2006

Vial: 22
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	3.59	43	115		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	0.00	92	0		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.83	91	437		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.38	173	56		N.D.	
68) Isopropylbenzene	9.60	105	163		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0906012.D 8260B.M Thu Sep 07 07:07:15 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906012.D
 Acq On : 6 Sep 2006 12:15
 Sample : JPL18-017 TB-7-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: rteint.p
 Quant Time: Sep 7 7:07 2006

Vial: 22
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Thu Aug 31 15:30:23 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	139		N.D.	
77) 1,3,5-Trimethylbenzene	10.19	105	147		N.D.	
78) 4-Chlorotoluene	10.17	91	179		N.D.	
79) tert-Butylbenzene	10.50	119	135		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	206		N.D.	
81) sec-butylbenzene	10.72	105	411		N.D.	
82) 4-Isopropyltoluene	10.88	119	583		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	316		N.D.	
85) n-Butylbenzene	11.28	91	466		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	71		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	411	Below Cal	#	77
89) Hexachlorobutadiene	13.02	225	290	Below Cal	#	77
90) Naphthalene	13.06	128	337		N.D.	
91) 1,2,3-Trichlorobenzene	13.29	180	359	Below Cal	#	82

(#) = qualifier out of range (m) = manual integration
 Y0906012.D 8260B.M Thu Sep 07 07:07:15 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906012.D Vial: 22
Acq On : 6 Sep 2006 12:15 Operator: DGA
Sample : JPL18-017 TB-7-8/23/06 Inst : yoda
Misc : 5mL +IS/SS #3 (524) Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0906012.D 8260B.M Fri Sep 08 10:23:24 2006

Miscellaneous Inorganic Data

JPL18

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

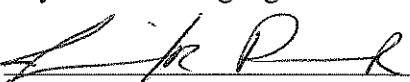
Lab Name: LAUCKS TESTING LABS, INC.

Lab Code: LAUCKS

SDG No.: JPL18

Client Identification	Lab Sample Work Order Number
MW-24-3	JPL18-002DL
MW-24-2	JPL18-003DL
MW-24-1	JPL18-004
MW-24-1MS	JPL18-004MS
MW-24-1MSD	JPL18-004MSD
EB-7-8/23/06	JPL18-005
SB-1-8/23/06	JPL18-006
MW-12-5	JPL18-0008DL
MW-12-4	JPL18-009DL
MW-12-3	JPL18-010DL
MW-12-2	JPL18-011DL
MW-12-1	JPL18-012DL
MW-22-3	JPL18-013DL
MW-22-2	JPL18-014DL
MW-22-1	JPL18-015DL
EB-8-8/24/06	JPL18-016
EB-8-8/24/06MS	JPL18-016MS
EB-8-8/24/06MSD	JPL18-016MSD

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Jennifer Penner

Date: 9-21-06

Title: Inorganics Lead

Inorganic Analysis Data Sheets

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-24-3 **Date/Time Collected:** 08/23/2006 10:10
Lab Sample ID: JPL18-002 **Date/Time Received:** 08/24/2006 08:10
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/14/2006	09/14/2006	R010492

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-24-2 **Date/Time Collected:** 08/23/2006 10:35
Lab Sample ID: JPL18-003 **Date/Time Received:** 08/24/2006 08:10
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/14/2006	09/14/2006	R010492

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-24-1 **Date/Time Collected:** 08/23/2006 11:12
Lab Sample ID: JPL18-004 **Date/Time Received:** 08/24/2006 08:10
Method: E300.0 **Unit:** mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	1.2		0.040	0.017	08/24/2006	08/24/2006	R009942
Nitrite - N	14797-65-0	1	0.050	U	0.050	0.021	08/24/2006	08/24/2006	R009942
Sulfate as SO4	14808-79-8	10	48		10	0.88	08/24/2006	08/24/2006	R009942
Chloride	16887-00-6	10	35		2.0	0.70	08/24/2006	08/24/2006	R009942

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-24-1RX **Date/Time Collected:** 08/23/2006 11:12
Lab Sample ID: JPL18-004 **Date/Time Received:** 08/24/2006 08:10
Method: E300.0 **Unit:** mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Orthophosphate	7723-14-0	1	0.10	U	0.10	0.092	08/25/2006	08/25/2006	R009989

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-24-1 **Date/Time Collected:** 08/23/2006 11:12
Lab Sample ID: JPL18-004 **Date/Time Received:** 08/24/2006 08:10
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	35		4.0	2.2	09/14/2006	09/14/2006	R010492

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: EB-7-8/23/06 **Date/Time Collected:** 08/23/2006 10:54
Lab Sample ID: JPL18-005 **Date/Time Received:** 08/24/2006 08:10
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.54	09/14/2006	09/14/2006	R010492

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-12-5 **Date/Time Collected:** 08/24/2006 10:02
Lab Sample ID: JPL18-008 **Date/Time Received:** 08/25/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/14/2006	09/14/2006	R010492

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-12-3 **Date/Time Collected:** 08/24/2006 10:48
Lab Sample ID: JPL18-010 **Date/Time Received:** 08/25/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/14/2006	09/14/2006	R010492

Laucks Testing Laboratories, Inc.

Final Results

Client:	Battelle	Project:	JPL Groundwater Monitoring
SDG Number:	JPL18		
Sample Number:	MW-12-2	Date/Time Collected:	08/24/2006 11:14
Lab Sample ID:	JPL18-011	Date/Time Received:	08/25/2006 08:30
Method:	E314.0	Unit:	ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/14/2006	09/14/2006	R010492

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-12-1 **Date/Time Collected:** 08/24/2006 11:41
Lab Sample ID: JPL18-012 **Date/Time Received:** 08/25/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/14/2006	09/14/2006	R010492

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-22-3 **Date/Time Collected:** 08/24/2006 07:58
Lab Sample ID: JPL18-013 **Date/Time Received:** 08/25/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/19/2006	09/19/2006	R010619

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-22-2 **Date/Time Collected:** 08/24/2006 08:23
Lab Sample ID: JPL18-014 **Date/Time Received:** 08/25/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/19/2006	09/19/2006	R010619

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: MW-22-1 **Date/Time Collected:** 08/24/2006 08:54
Lab Sample ID: JPL18-015 **Date/Time Received:** 08/25/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/19/2006	09/19/2006	R010619

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL18
Sample Number: EB-8-8/24/06 **Date/Time Collected:** 08/24/2006 08:43
Lab Sample ID: JPL18-016 **Date/Time Received:** 08/25/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.54	09/19/2006	09/19/2006	R010619

Metals Data

JPL18

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

SOW No.: _____

Sample No.	Lab Sample ID
MW-24-4	JPL18-001
MW-24-4MS	JPL18-001MS
MW-24-4MSD	JPL18-001MSD
MW-24-3	JPL18-002
MW-24-2	JPL18-003
MW-24-1	JPL18-004
EB-7-8/23/06	JPL18-005
SB-1-8/23/06	JPL18-006
MW-12-3	JPL18-010
MW-12-2	JPL18-011
MW-12-1	JPL18-012
MW-22-3	JPL18-013
MW-22-2	JPL18-014
MW-22-1	JPL18-015
EB-8-8/24/06	JPL18-016

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No NO

If yes-was raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is technically complete, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Jennifer L. Arcona

Name: Jennifer L. Arcona

Date: 9/15/06

Title: Chemist

Metals Analysis Data Sheets

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-24-4

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-001

Level (low/med): LOW

Date Received: 08/24/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.31				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

SW-846
-1-
INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-24-3

Lab Name: Laucks Laboratories Contract: JPL Groundwater Monitorin
 Lab Code: LAUCKS SDG No.: JPL18
 Matrix (soil/water): Water Lab Sample ID: JPL18-002
 Level (low/med): LOW Date Received: 08/24/2006
 % Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	4.31				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-24-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-003

Level (low/med): LOW

Date Received: 08/24/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	4.05				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-24-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-004

Level (low/med): LOW

Date Received: 08/24/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.96				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-7-8/23/06

Lab Name: Laucks LaboratoriesContract: JPL Groundwater MonitorinLab Code: LAUCKSSDG No.: JPL18Matrix (soil/water): WaterLab Sample ID: JPL18-005Level (low/med): LOWDate Received: 08/24/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.83				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____Color After: Colorless Clarity After: Clear Artifacts: NoComment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

SB-1-8/23/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-006

Level (low/med): LOW

Date Received: 08/24/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.48				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-12-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-010

Level (low/med): LOW

Date Received: 08/25/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.94				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-12-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-011

Level (low/med): LOW

Date Received: 08/25/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.06				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-12-1

Lab Name: Laucks LaboratoriesContract: JPL Groundwater MonitorinLab Code: LAUCKSSDG No.: JPL18Matrix (soil/water): WaterLab Sample ID: JPL18-012Level (low/med): LOWDate Received: 08/25/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.64				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____Color After: Colorless Clarity After: Clear Artifacts: NoComment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-22-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-013

Level (low/med): LOW

Date Received: 08/25/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.42				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-22-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-014

Level (low/med): LOW

Date Received: 08/25/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.23				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-22-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-015

Level (low/med): LOW

Date Received: 08/25/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.13				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-8-8/24/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL18

Matrix (soil/water): Water

Lab Sample ID: JPL18-016

Level (low/med): LOW

Date Received: 08/25/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.71				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-24-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010185

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL18-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0901026.D

Level: (LOW/MED) _____

Date Collected: 08/24/2006

% Moisture: not dec. _____

Date Analyzed: 09/01/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-24-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-003
 Lab File ID: Y0901027.D
 Date Collected: 08/24/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-24-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED)
 % Moisture: not dec.
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-004
 Lab File ID: Y0901028.D
 Date Collected: 08/24/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010185
 Lab Sample ID: JPL18-005
 Lab File ID: Y0901018.D
 Date Collected: 08/24/2006
 Date Analyzed: 09/01/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

SB-1-8/23/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-006
 Lab File ID: Y0906013.D
 Date Collected: 08/24/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-007
 Lab File ID: Y0906011.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/06/2006 11:50
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL18-007

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906011.D

Level: (LOW/MED) _____

Date Collected: 08/23/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/06/2006 11:50

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL18
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-007
 Lab File ID: Y0906011.D
 Date Collected: 08/23/2006
 Date/Time Analyzed: 09/06/2006 11:50
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-7-8/23/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 1

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-007
 Lab File ID: Y0906011.D
 Date Collected: 08/23/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

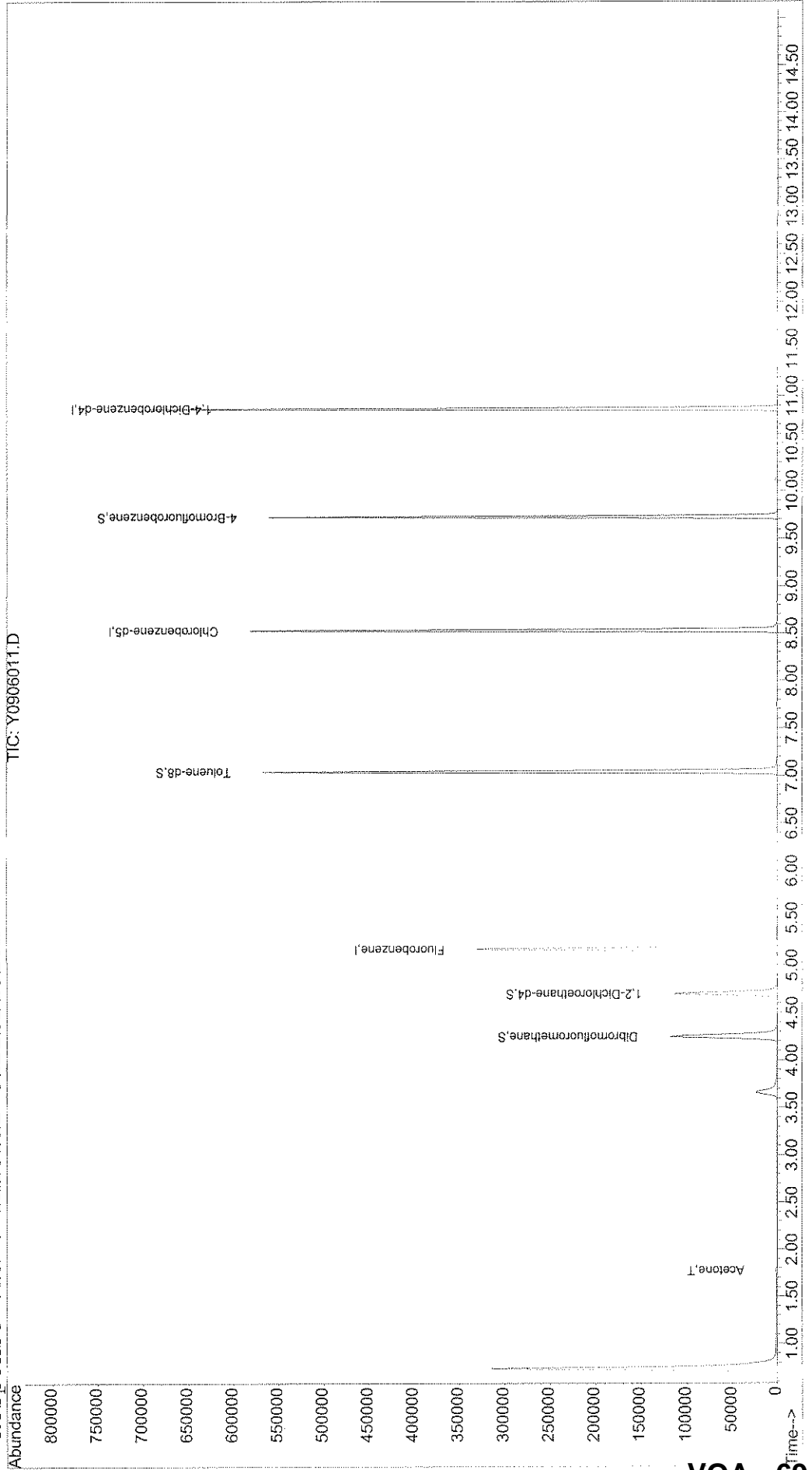
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		unknown	3.66	5.7	J
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D Vial: 23
Acq On : 6 Sep 2006 11:50 Operator: DGA
Sample : JPL18-007 SB-1-8/23/06 Inst : Yoda
Misc : 5mL +IS/SS #3 (524) Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 7 6:46 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Thu Aug 31 15:30:23 2006
Response via : Initial Calibration



LSC Area Percent Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D Vial: 23
 Acq On : 6 Sep 2006 11:50 Operator: DGA
 Sample : JPL18-007 SB-1-8/23/06 Inst : yoda
 Misc : 5mL +IS/SS #3 (524) Multiplr: 1.00
 MS Integration Params: LSCINT.P

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Signal : TIC

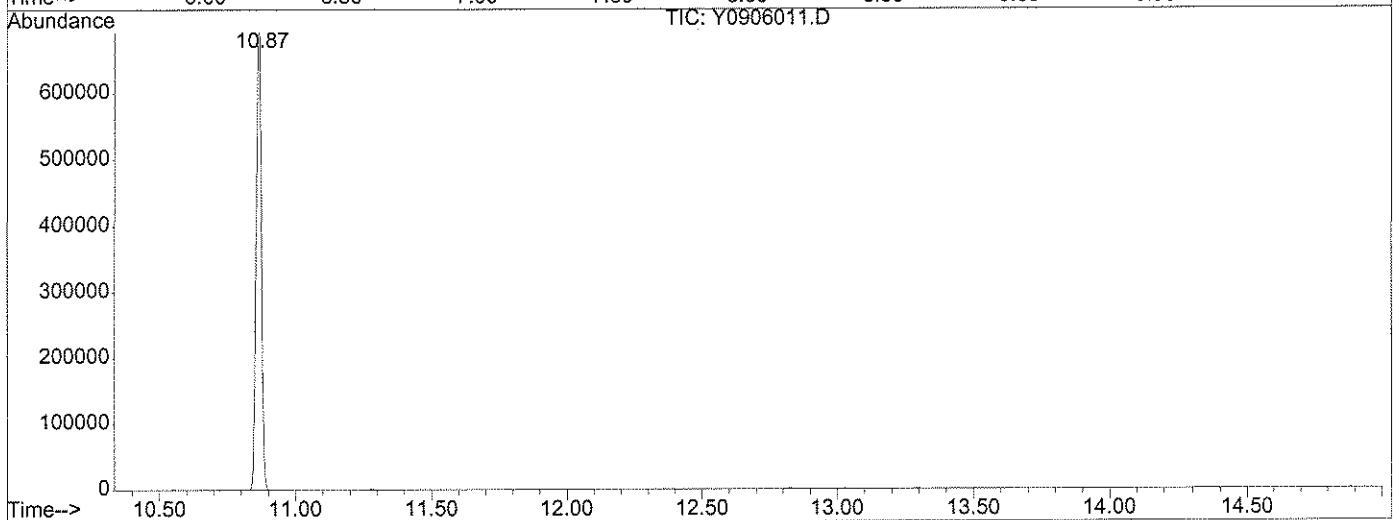
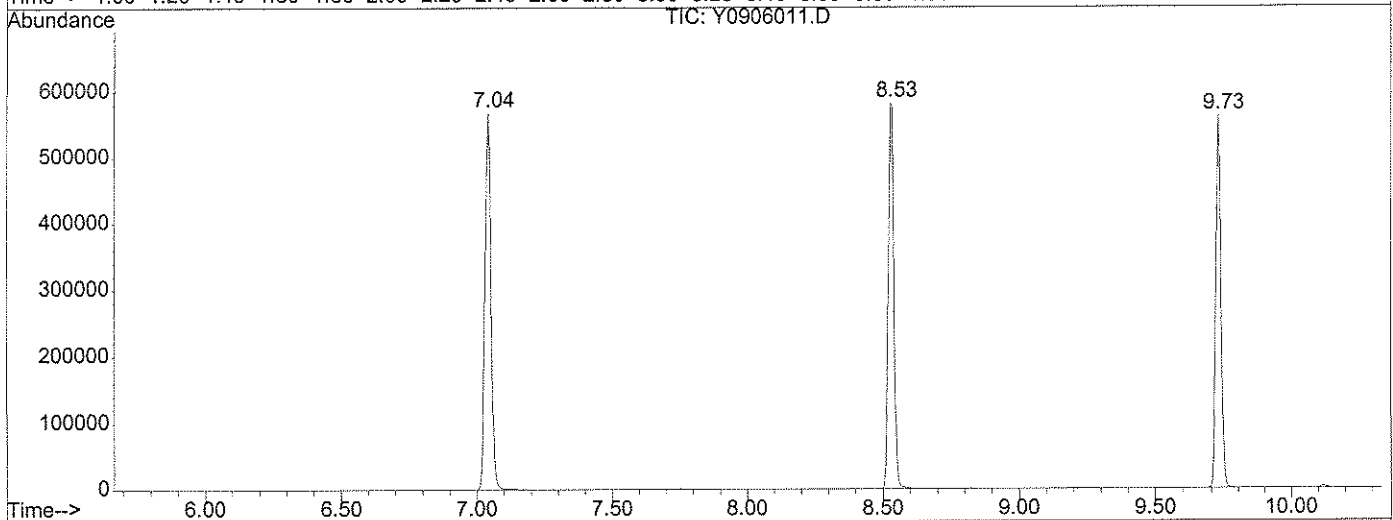
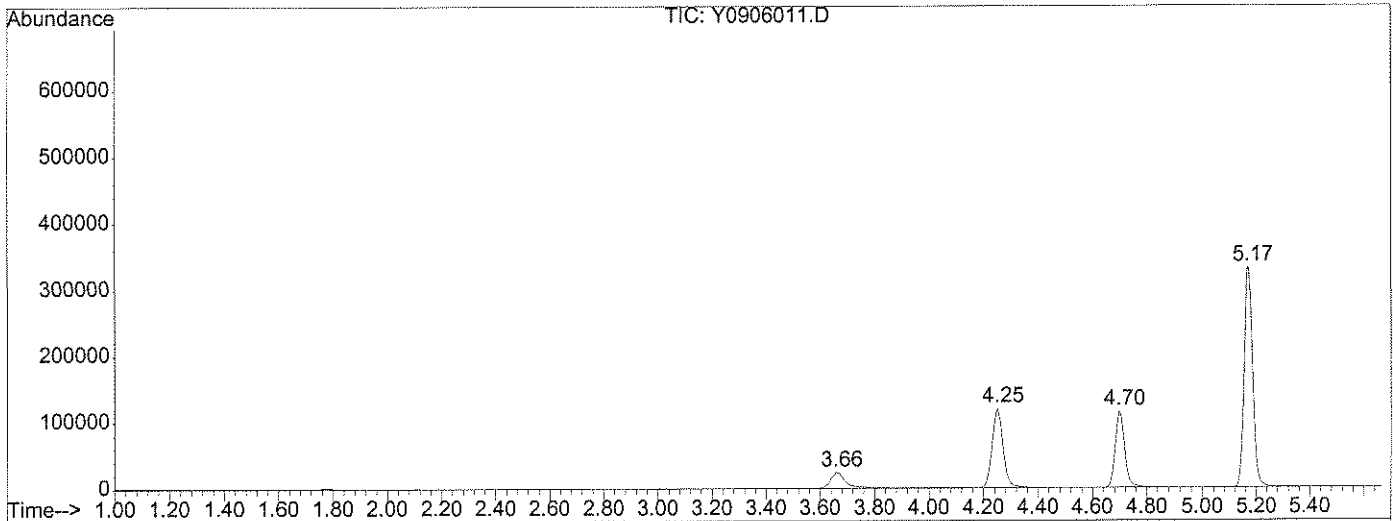
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.657	548	560	575	rBV	23467	83718	8.79%	1.738%
2	4.250	649	661	680	rBV	118625	329168	34.55%	6.833%
3	4.697	728	737	754	rBV	114186	276236	29.00%	5.735%
4	5.167	808	817	833	rBV	331312	736794	77.34%	15.296%
5	7.041	1129	1136	1148	rBV	567829	882377	92.63%	18.318%
6	8.528	1383	1389	1407	rBB	581753	830164	87.14%	17.234%
7	9.726	1587	1593	1604	rVB	561539	725971	76.21%	15.071%
8	10.866	1781	1787	1798	rBB	692886	952630	100.00%	19.776%

Sum of corrected areas: 4817058

Y0906011.D 8260B.M Fri Sep 08 10:55:08 2006

LSC Report - Integrated Chromatogram

File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D
Operator : DGA
Acquired : 6 Sep 2006 11:50 using AcqMethod 8260B
Instrument : yoda
Sample Name: JPL18-007 SB-1-8/23/06
Misc Info : 5mL +IS/SS #3 (524)
Vial Number: 23
Quant File :8260B.RES (RTE Integrator)



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090606\Y0906011.D
 Acq On : 6 Sep 2006 11:50
 Sample : JPL18-007 SB-1-8/23/06
 Misc : 5mL +IS/SS #3 (524)
 MS Integration Params: LSCINT.P

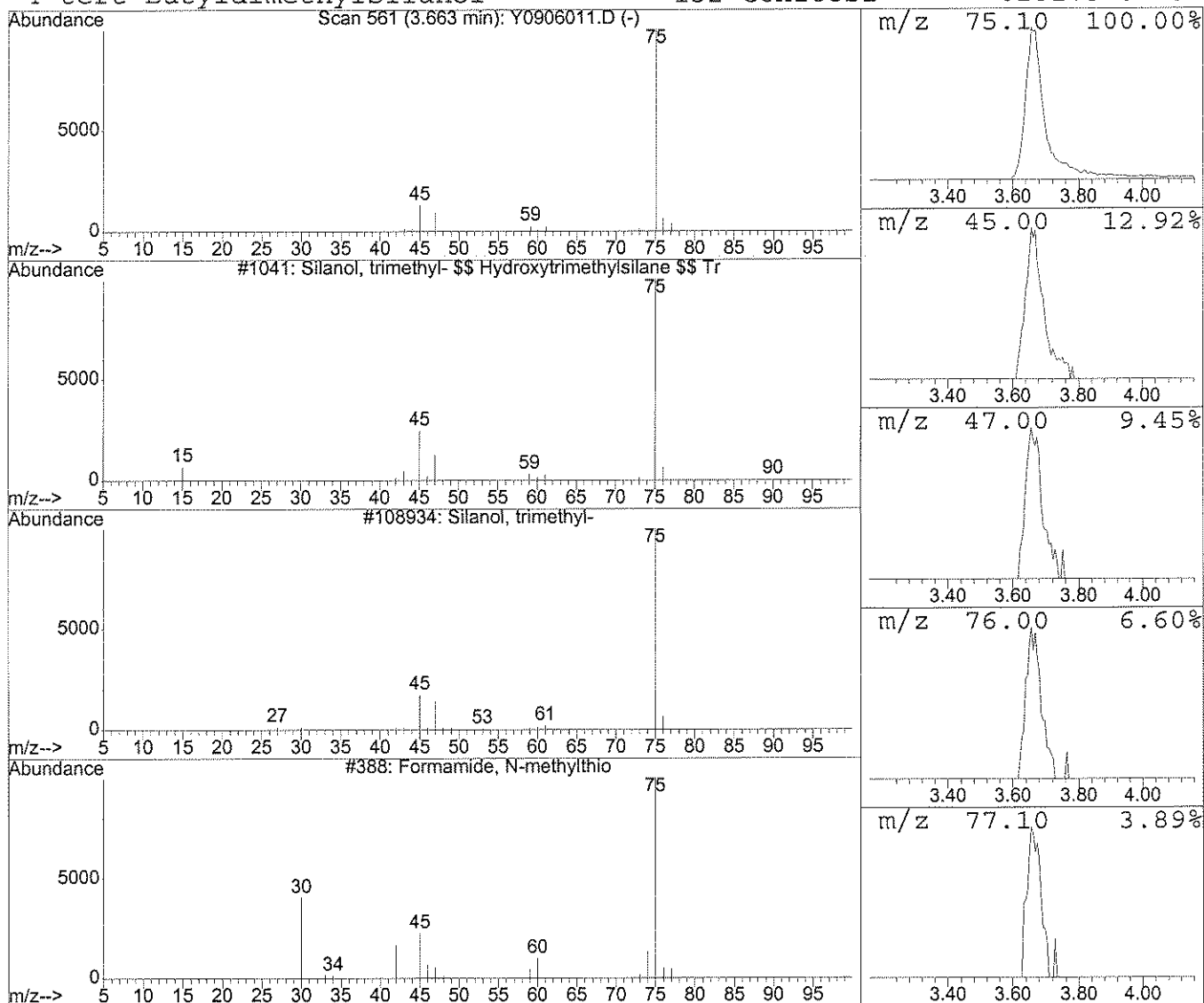
Vial: 23
 Operator: DGA
 Inst : yoda
 Multiplr: 1.00

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Library : D:\DATABASE\NIST129K.L

 Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.66	5.68 ug/l	83718	Fluorobenzene	5.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Silanol, trimethyl- \$\$ Hydroxytrime	90	C3H10OSi	001066-40-6	83
2		Silanol, trimethyl-	90	C3H10OSi	001066-40-6	74
3		Formamide, N-methylthio	75	C2H5NS	000000-00-0	9
4		tert-Butyldimethylsilanol	132	C6H16OSi	018173-64-3	9



Tentatively Identified Compound (LSC) summary

Operator ID: DGA Date Acquired: 6 Sep 2006 11:50
Data File: Q:\MSDCHEM\1\DATA\090606\Y0906011.D
Name: JPL18-007 SB-1-8/23/06
Misc: 5mL +IS/SS #3 (524)
Method: Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title: VOA Standards for 5 point calibration 8260- 5ML
Library Searched: D:\DATABASE\NIST129K.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
----- unknown	3.66	5.7	ug/l	83718	ISTD01	5.17	736794	50.0
Y0906011.D 8260B.M								

Fri Sep 08 10:55:10 2006

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-12-5

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL18-008

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906014.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date Analyzed: 09/06/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-12-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-009
 Lab File ID: Y0906015.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-12-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-010
 Lab File ID: Y0906016.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-12-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-011
 Lab File ID: Y0906017.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-22-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-013
 Lab File ID: Y0906019.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-22-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL18

Run Sequence: R010245

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL18-014

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0906020.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date Analyzed: 09/06/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-22-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-015
 Lab File ID: Y0906021.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-016
 Lab File ID: Y0906022.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-8-8/24/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL18
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010245
 Lab Sample ID: JPL18-017
 Lab File ID: Y0906012.D
 Date Collected: 08/25/2006
 Date Analyzed: 09/06/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

SAMPLE DATA

SDG JPL19

VOLATILES ANALYSIS

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-23-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-002
 Lab File ID: Y0907026.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 15:54
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.29	J
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.43	J
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-23-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010295

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0907026.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/07/2006 15:54

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,1,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-23-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010295

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0907026.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/07/2006 15:54

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-23-3

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010295

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-002

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0907026.D

Level: (LOW/MED) _____

Date Collected: 08/29/2006

% Moisture: not dec. _____

Date Analyzed: 09/07/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

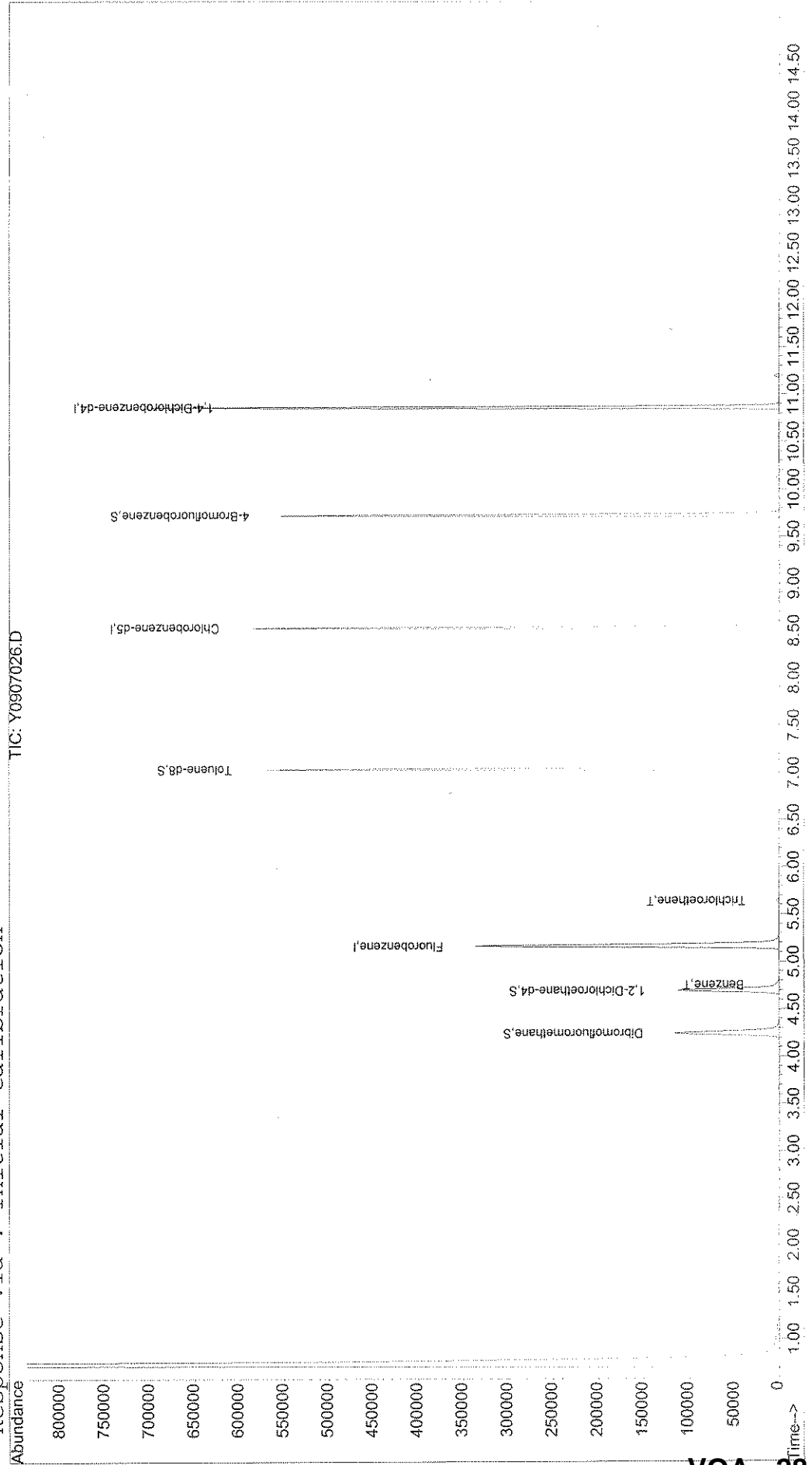
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907026.D Vial: 29
Acq On : 7 Sep 2006 15:54 Operator: LNW
Sample : JPL19-002 MW-23-3 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 8:00 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Fri Sep 08 07:32:07 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907026.D
 Acq On : 7 Sep 2006 15:54
 Sample : JPL19-002 MW-23-3
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:00 2006

Vial: 29
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\CURVES\083106\Y0831022.D (31 Aug 2006 14:

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.17	96	373865	50.00	ug/l	0.00	90.34%
50) Chlorobenzene-d5	8.53	82	152400	50.00	ug/l	0.00	82.67%
69) 1,4-Dichlorobenzene-d4	10.87	152	183610	50.00	ug/l	0.00	77.98%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	103421	50.85	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	103286	54.03	ug/l	0.00	
51) Toluene-d8	7.04	98	365708	52.55	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	137453	52.07	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	74	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Y0907026.D 8260B.M Fri Sep 08 08:00:19 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907026.D
 Acq On : 7 Sep 2006 15:54
 Sample : JPL19-002 MW-23-3
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:00 2006

Vial: 29
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	4.31	56	213		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.76	78	2617	0.29	ug/l	100
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	1198m	0.43	ug/l	98
43) Methylcyclohexane	5.85	83	54		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	219		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	141		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	517		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.38	173	53		N.D.	
68) Isopropylbenzene	9.60	105	148		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Handwritten signature and date: Jhr 9/8/06

(#) = qualifier out of range (m) = manual integration
 Y0907026.D 8260B.M Fri Sep 08 08:00:20 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907026.D
 Acq On : 7 Sep 2006 15:54
 Sample : JPL19-002 MW-23-3
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:00 2006

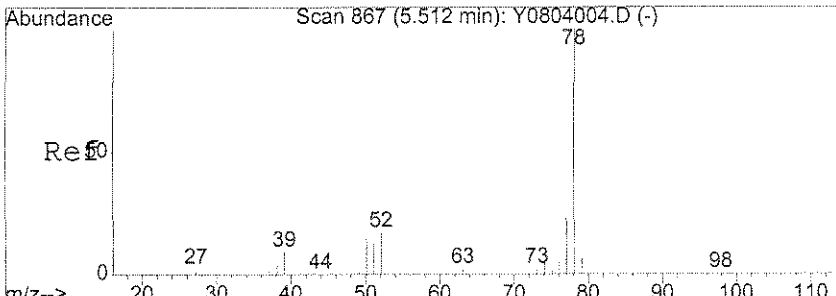
Vial: 29
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

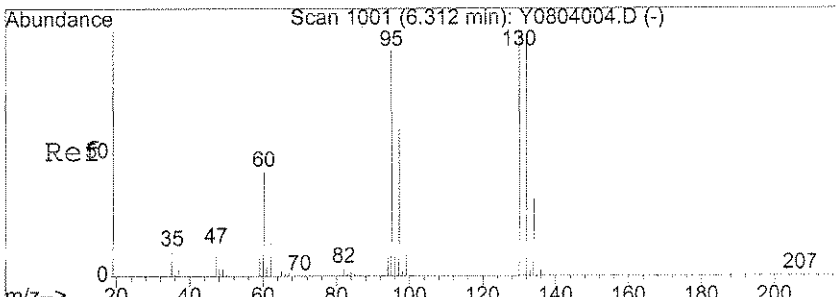
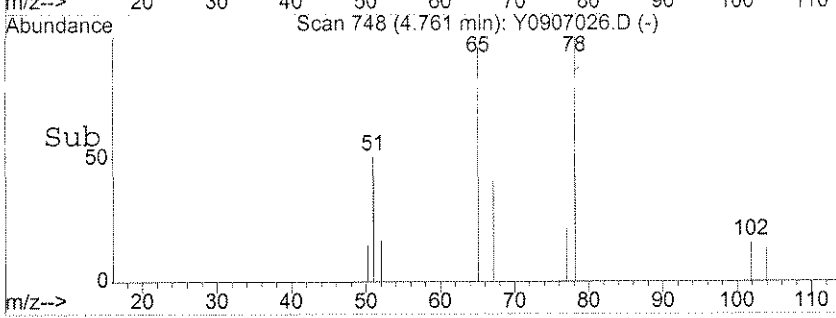
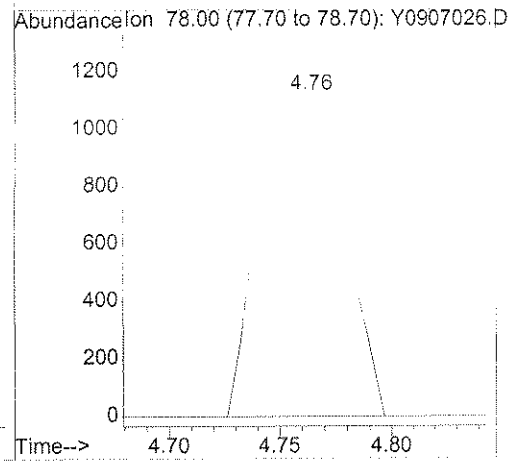
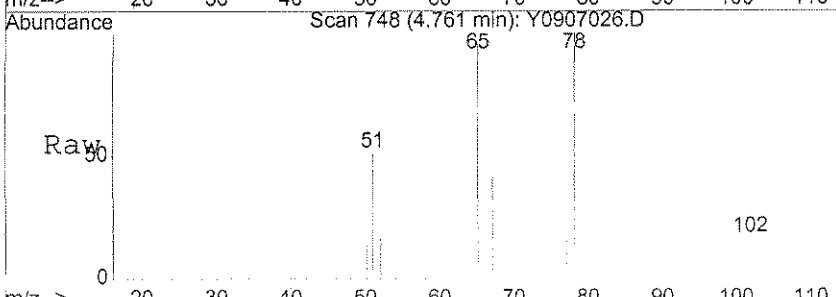
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	87		N.D.	
77) 1,3,5-Trimethylbenzene	10.12	105	57		N.D.	
78) 4-Chlorotoluene	10.01	91	87		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	550		N.D.	
81) sec-butylbenzene	10.55	105	550		N.D.	
82) 4-Isopropyltoluene	0.00	119	0		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	58		N.D.	
85) n-Butylbenzene	11.28	91	67		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	250		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0907026.D 8260B.M Fri Sep 08 08:00:20 2006



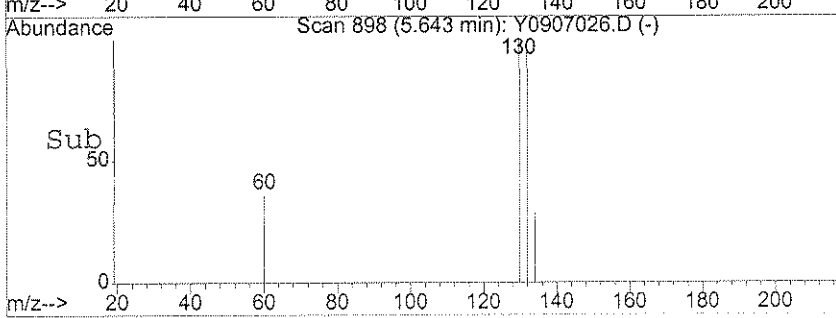
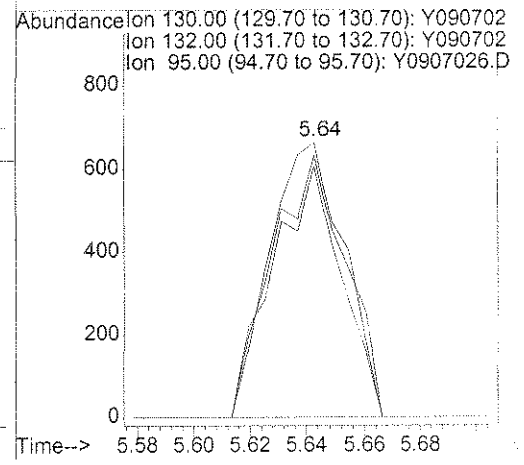
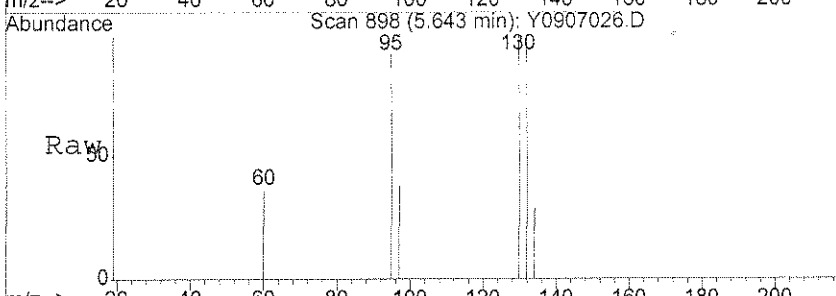
#39
Benzene
Concen: 0.29 ug/l
RT: 4.76 min Scan# 748
Delta R.T. -0.00 min
Lab File: Y0907026.D
Acq: 7 Sep 2006 15:54

Tgt Ion: 78 Resp: 2617



#42
Trichloroethene
Concen: 0.43 ug/l m
RT: 5.64 min Scan# 898
Delta R.T. -0.00 min
Lab File: Y0907026.D
Acq: 7 Sep 2006 15:54

Tgt Ion: 130 Resp: 1198
Ion Ratio Lower Upper
130 100
132 94.3 76.9 116.9
95 85.1 67.3 107.3



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907026.D Vial: 29
Acq On : 7 Sep 2006 15:54 Operator: LNW
Sample : JPL19-002 MW-23-3 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0907026.D 8260B.M Wed Sep 13 11:05:18 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-23-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-003
 Lab File ID: Y0907027.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 16:19
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.41	J
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.65	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-23-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-003
 Lab File ID: Y0907027.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 16:19
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.33	J
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-23-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-003
 Lab File ID: Y0907027.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 16:19
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-23-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-003
 Lab File ID: Y0907027.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/07/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

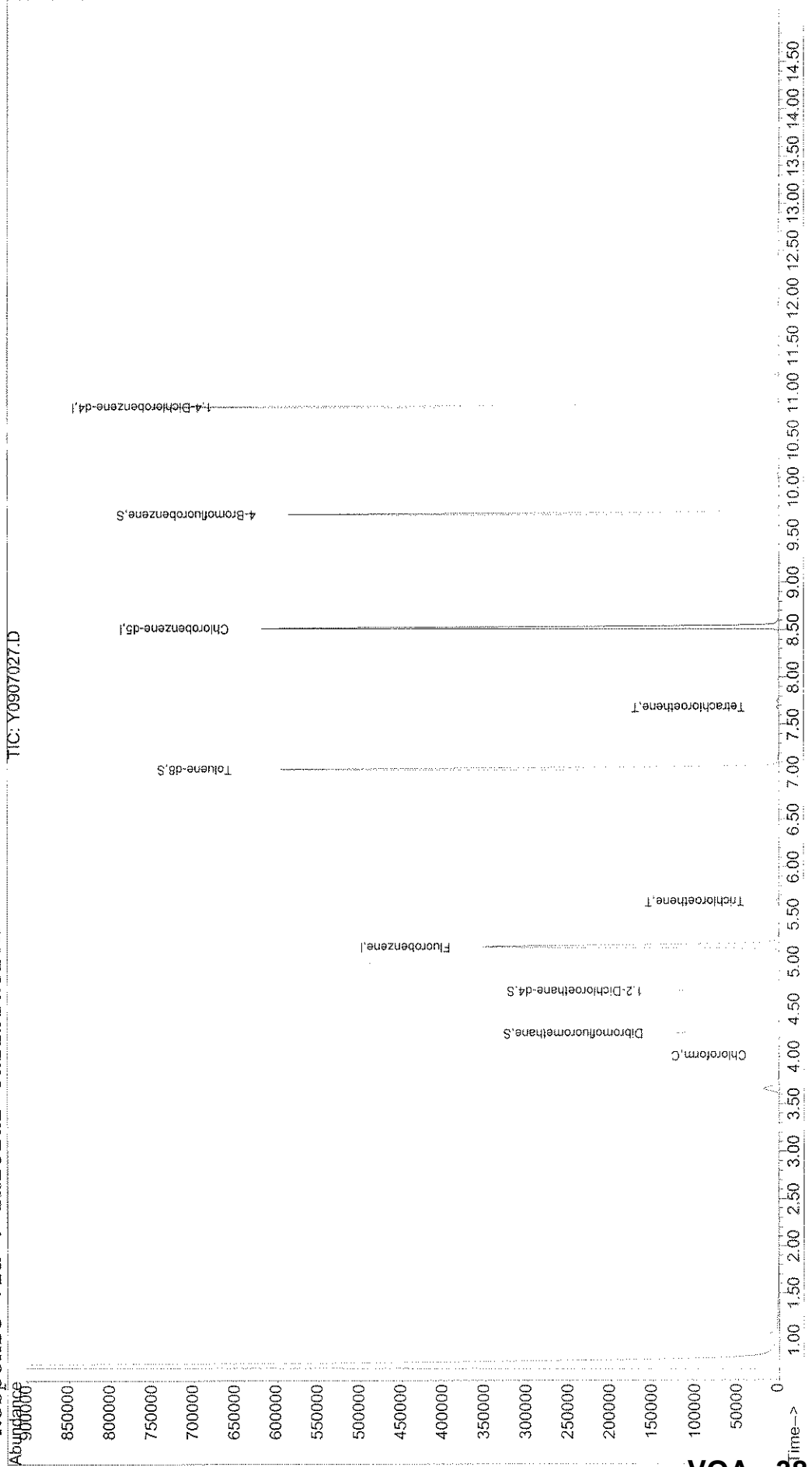
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907027.D Vial: 30
Acq On : 7 Sep 2006 16:19 Operator: LNW
Sample : JPL19-003 MW-23-2 Inst : Yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 8:01 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Last Update : Fri Sep 08 07:32:07 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907027.D
 Acq On : 7 Sep 2006 16:19
 Sample : JPL19-003 MW-23-2
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:01 2006

Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\CURVES\083106\Y0831022.D (31 Aug 2006 14:

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	395624	50.00	ug/l	0.00 95.60%
50) Chlorobenzene-d5	8.53	82	163789	50.00	ug/l	0.00 88.85%
69) 1,4-Dichlorobenzene-d4	10.87	152	196505	50.00	ug/l	0.00 83.46%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	109946	51.09	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	109615	54.19	ug/l	0.00
51) Toluene-d8	7.04	98	388672	51.97	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	146552	51.88	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.76	63	697	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0907027.D 8260B.M Fri Sep 08 08:01:29 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907027.D
 Acq On : 7 Sep 2006 16:19
 Sample : JPL19-003 MW-23-2
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:01 2006

Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.01	83	1650	0.41	ug/l #	55
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.77	78	909		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	1938	0.65	ug/l	95
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	6.25	83	182		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	402		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.69	166	1002	0.33	ug/l	92
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	208		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	293		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.59	105	58		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Handwritten signature and date: JLN 9/8/06

(#) = qualifier out of range (m) = manual integration
 Y0907027.D 8260B.M Fri Sep 08 08:01:29 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907027.D
 Acq On : 7 Sep 2006 16:19
 Sample : JPL19-003 MW-23-2
 Misc : 5mL+IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:01 2006

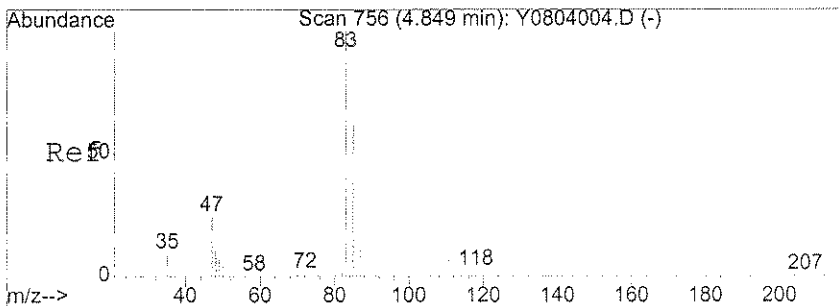
Vial: 30
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

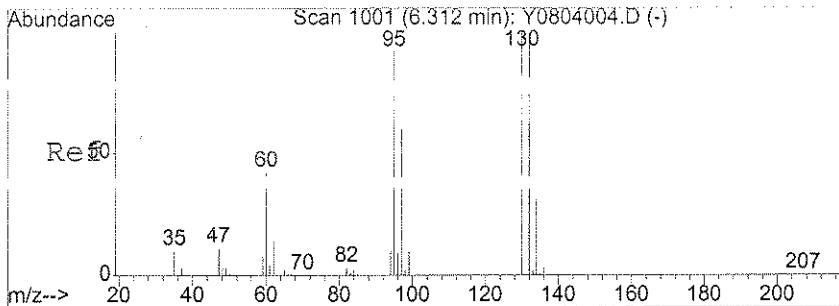
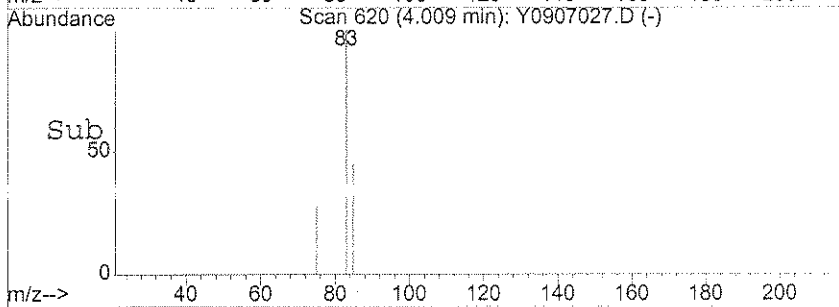
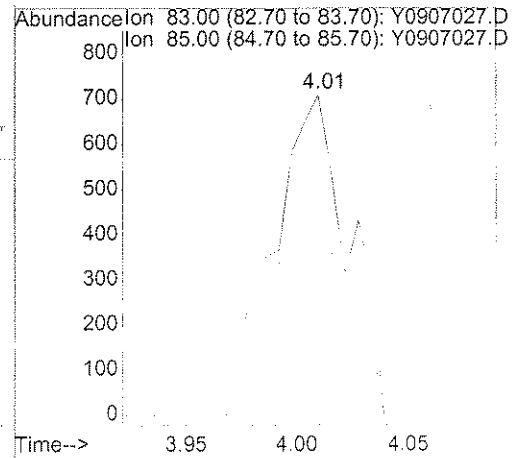
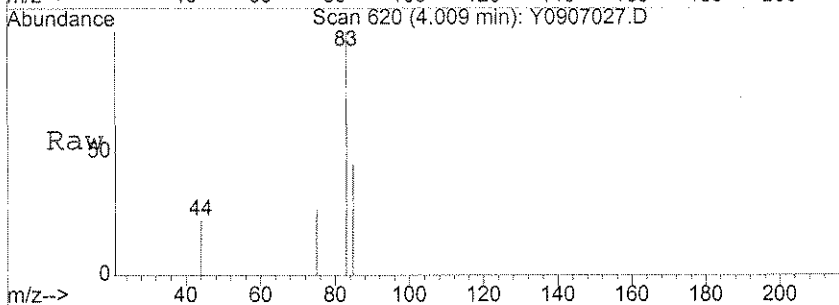
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	133		N.D.	
77) 1,3,5-Trimethylbenzene	10.19	105	53		N.D.	
78) 4-Chlorotoluene	10.01	91	133		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	212		N.D.	
81) sec-butylbenzene	10.55	105	212		N.D.	
82) 4-Isopropyltoluene	10.87	119	76		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	131		N.D.	
84) 1,4-Dichlorobenzene	10.88	146	346		N.D.	
85) n-Butylbenzene	11.28	91	132		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	269		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0907027.D 8260B.M Fri Sep 08 08:01:30 2006



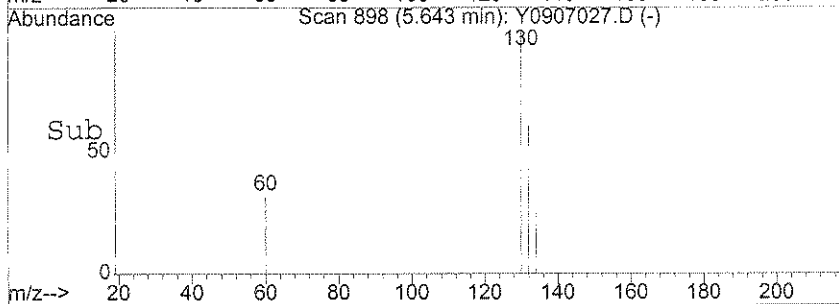
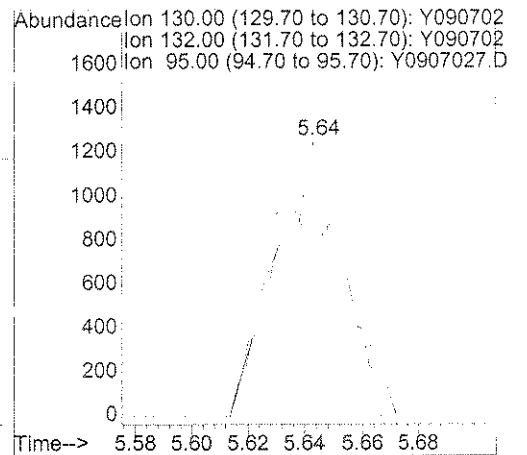
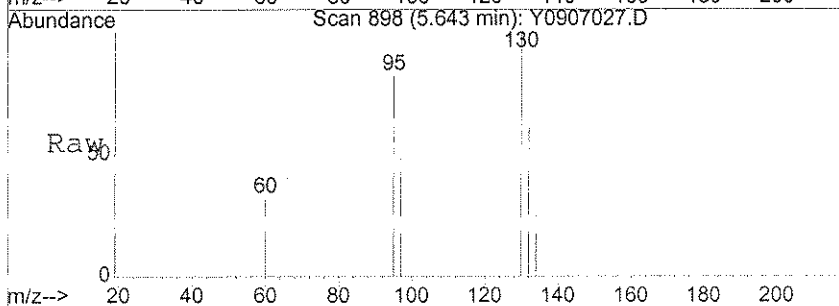
#31
 Chloroform
 Concen: 0.41 ug/l
 RT: 4.01 min Scan# 620
 Delta R.T. -0.00 min
 Lab File: Y0907027.D
 Acq: 7 Sep 2006 16:19

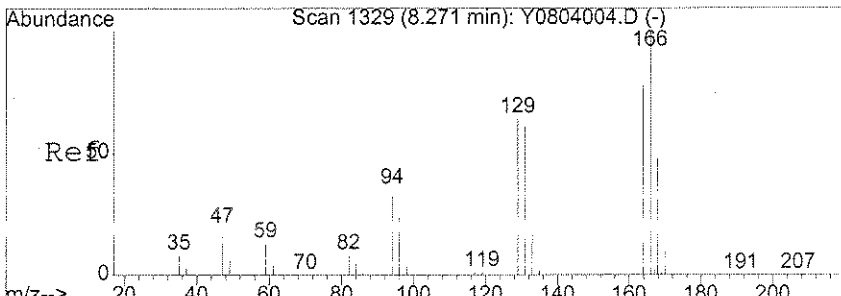
Tgt Ion	Resp	Lower	Upper
83	1650	100	
85	29.3	44.6	84.6#



#42
 Trichloroethene
 Concen: 0.65 ug/l
 RT: 5.64 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: Y0907027.D
 Acq: 7 Sep 2006 16:19

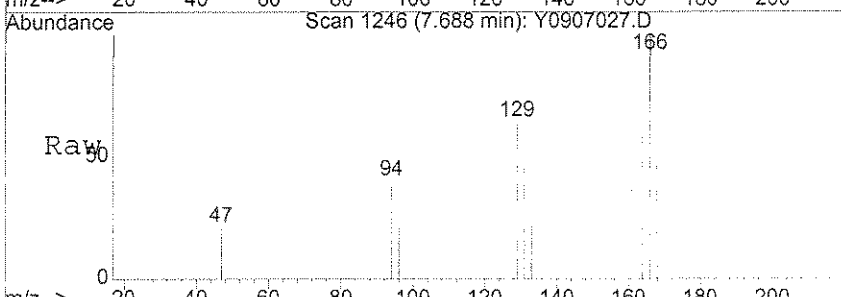
Tgt Ion	Resp	Lower	Upper
130	1938	100	
132	95.4	76.9	116.9
95	96.2	67.3	107.3



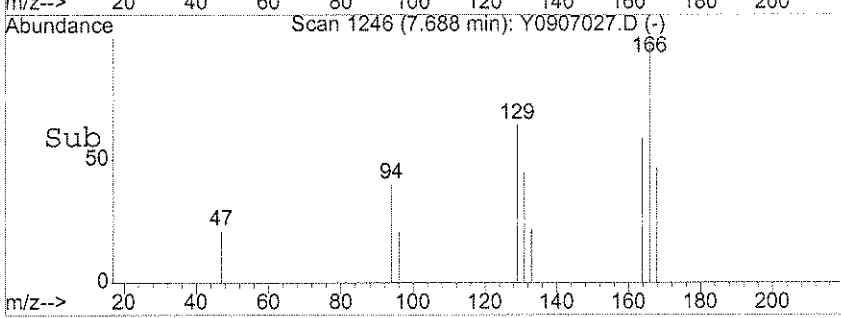
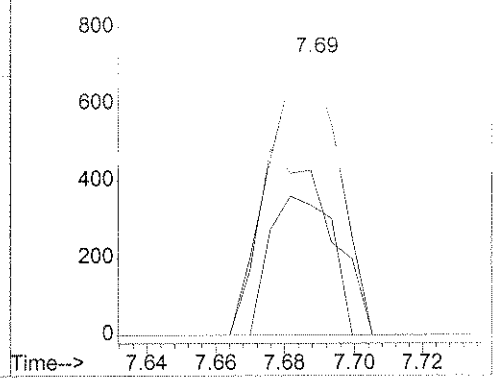


#56
 Tetrachloroethene
 Concen: 0.33 ug/l
 RT: 7.69 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: Y0907027.D
 Acq: 7 Sep 2006 16:19

Tgt Ion	Resp	Lower	Upper
166	1002		
164	68.2	61.7	92.5
168	44.7	38.6	57.8



Abundance
 Ion 165.95 (165.65 to 166.65): Y090702
 Ion 163.95 (163.65 to 164.65): Y090702
 Ion 167.95 (167.65 to 168.65): Y090702



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907027.D Vial: 30
Acq On : 7 Sep 2006 16:19 Operator: LNW
Sample : JPL19-003 MW-23-2 Inst : yoda
Misc : 5mL+IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0907027.D 8260B.M Wed Sep 13 11:05:25 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-23-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-004
 Lab File ID: Y0907028.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 16:43
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.36	J
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.38	J
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-23-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-004
 Lab File ID: Y0907028.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 16:43
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.0	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,1,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-23-1

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010295

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0907028.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/07/2006 16:43

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-23-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010295

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0907028.D

Level: (LOW/MED) _____

Date Collected: 08/29/2006

% Moisture: not dec. _____

Date Analyzed: 09/07/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

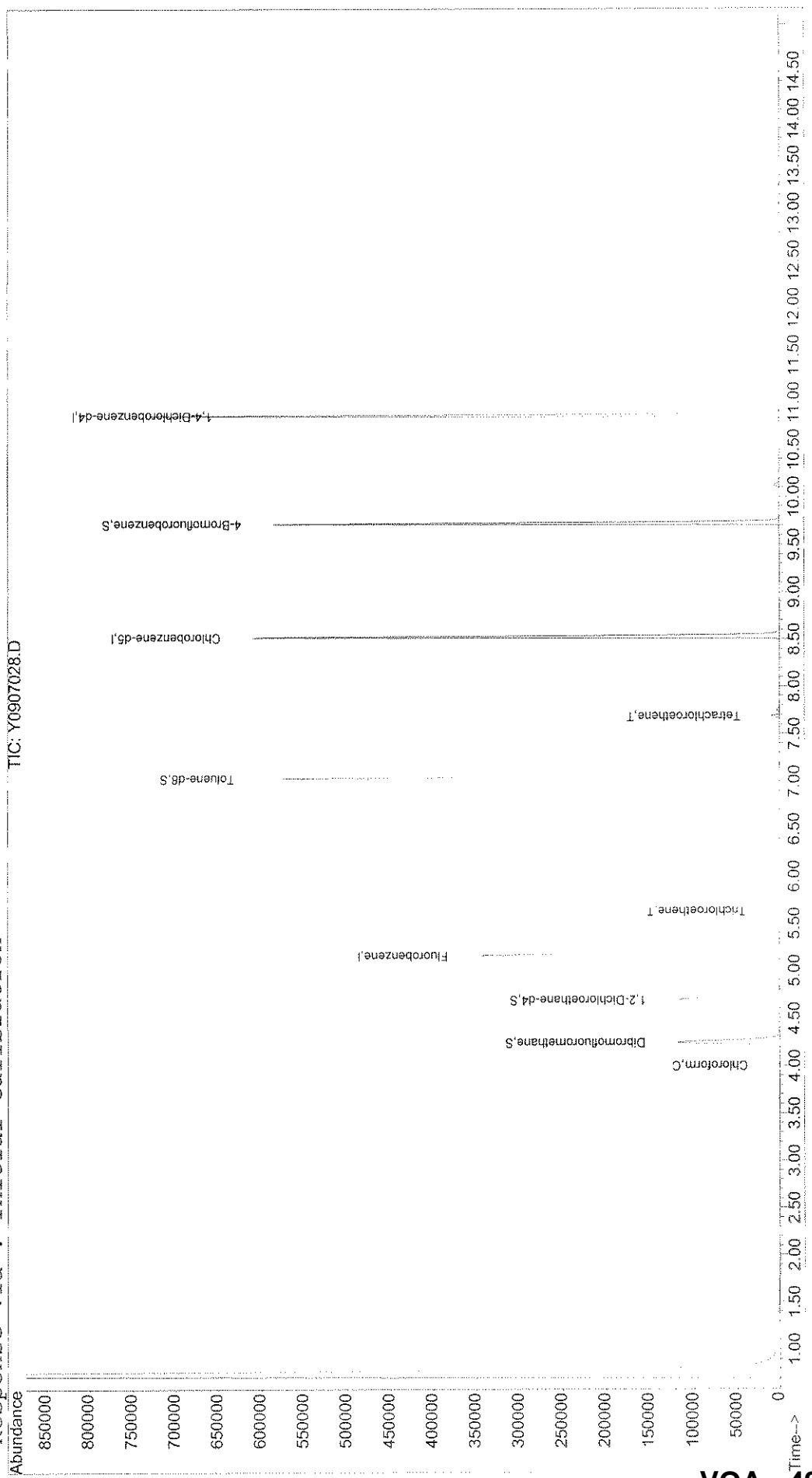
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907028.D Vial: 31
Acq On : 7 Sep 2006 16:43 Operator: LNW
Sample : JPL19-004 MW-23-1 Inst : Yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 8:02 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Fri Sep 08 07:32:07 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907028.D
 Acq On : 7 Sep 2006 16:43
 Sample : JPL19-004 MW-23-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:02 2006

Vial: 31
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\CURVES\083106\Y0831022.D (31 Aug 2006 14:

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	386118	50.00	ug/l	0.00 93.30%
50) Chlorobenzene-d5	8.53	82	159042	50.00	ug/l	0.00 86.28%
69) 1,4-Dichlorobenzene-d4	10.87	152	189529	50.00	ug/l	0.00 80.49%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	107875	51.36	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	107683	54.54	ug/l	0.00
51) Toluene-d8	7.04	98	378031	52.05	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	142532	52.31	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.78	43	68	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.	d	
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0907028.D 8260B.M Fri Sep 08 08:02:47 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907028.D
 Acq On : 7 Sep 2006 16:43
 Sample : JPL19-004 MW-23-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:02 2006

Vial: 31
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.00	83	1395	0.36	ug/l ✓	93
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.76	78	425		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	1104	0.38	ug/l ✓	95
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D. d	
52) Toluene	7.11	92	151		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.69	166	2985	1.02	ug/l ✓	95
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	56		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	0.00	106	0		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.73	105	57		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

JR 9/8/06

(#) = qualifier out of range (m) = manual integration
 Y0907028.D 8260B.M Fri Sep 08 08:02:47 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907028.D
 Acq On : 7 Sep 2006 16:43
 Sample : JPL19-004 MW-23-1
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:02 2006

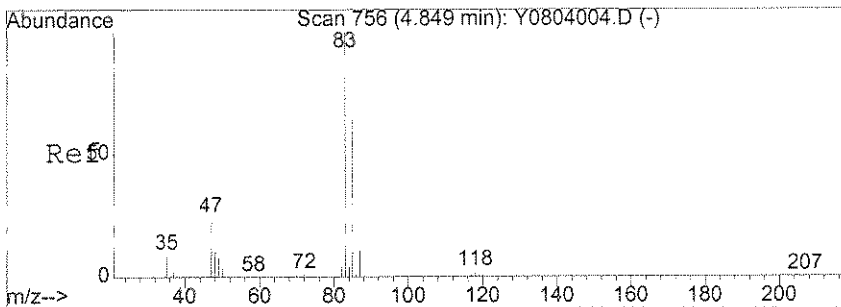
Vial: 31
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

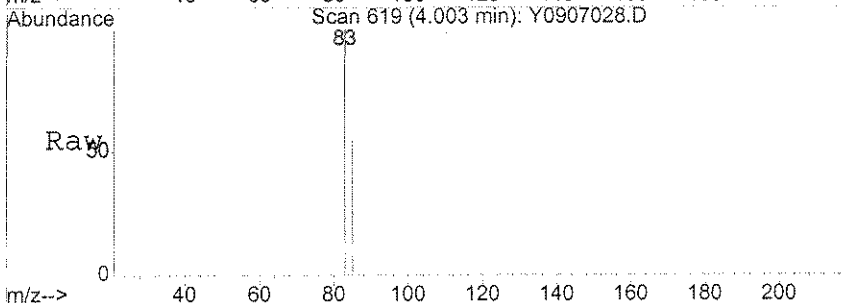
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.01	91	61		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	61		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	0.00	105	0		N.D.	
81) sec-butylbenzene	0.00	105	0		N.D.	
82) 4-Isopropyltoluene	0.00	119	0		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	0.00	146	0		N.D.	
85) n-Butylbenzene	0.00	91	0		N.D.	
86) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0907028.D 8260B.M Fri Sep 08 08:02:48 2006

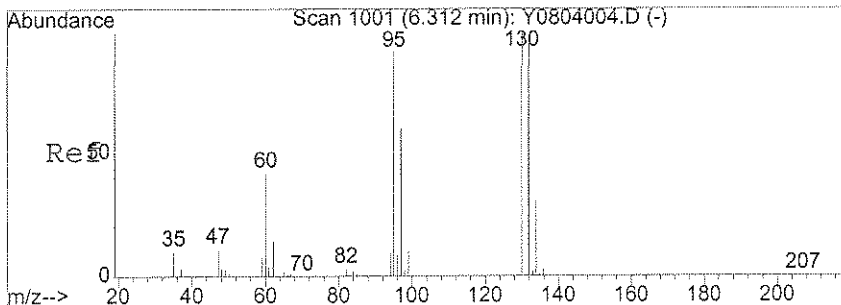
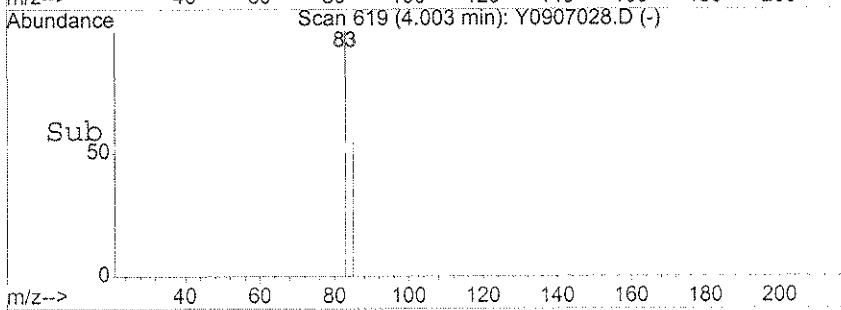
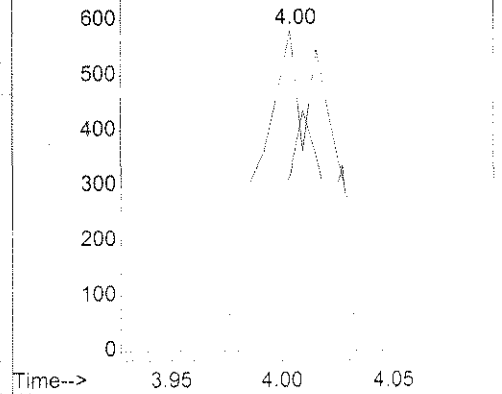


#31
 Chloroform
 Concen: 0.36 ug/l
 RT: 4.00 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: Y0907028.D
 Acq: 7 Sep 2006 16:43

Tgt Ion:	83	Resp:	1395
Ion Ratio	Lower	Upper	
83	100		
85	59.4	44.6	84.6

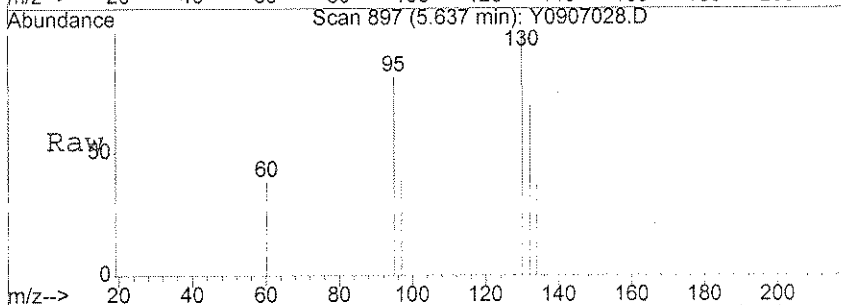


Abundance Ion 83.00 (82.70 to 83.70): Y0907028.D
 Ion 85.00 (84.70 to 85.70): Y0907028.D

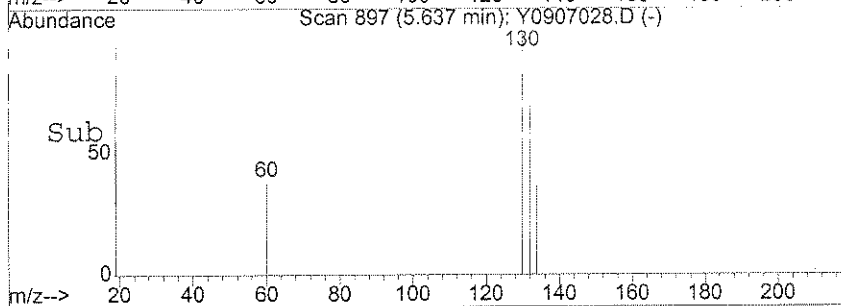
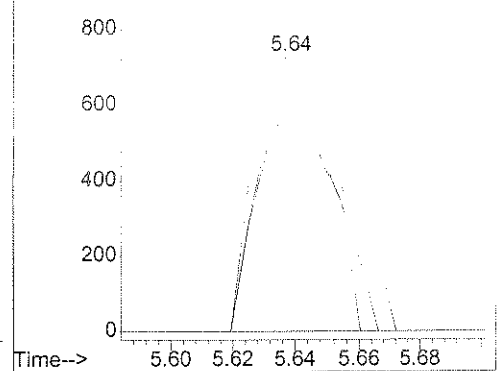


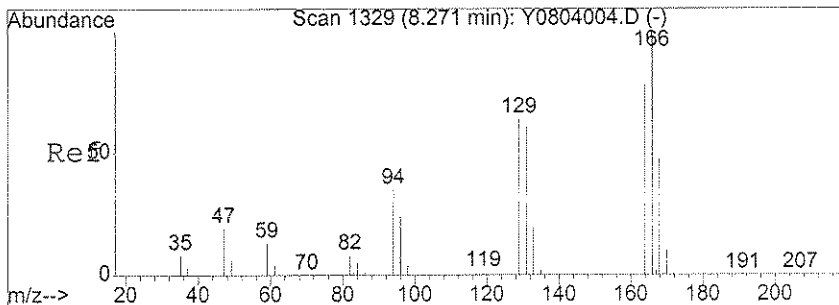
#42
 Trichloroethene
 Concen: 0.38 ug/l
 RT: 5.64 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: Y0907028.D
 Acq: 7 Sep 2006 16:43

Tgt Ion:	130	Resp:	1104
Ion Ratio	Lower	Upper	
130	100		
132	104.6	76.9	116.9
95	85.6	67.3	107.3



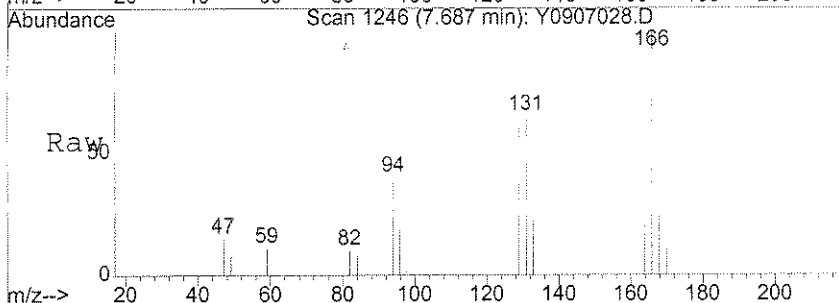
Abundance Ion 130.00 (129.70 to 130.70): Y0907028.D
 Ion 132.00 (131.70 to 132.70): Y0907028.D
 Ion 95.00 (94.70 to 95.70): Y0907028.D



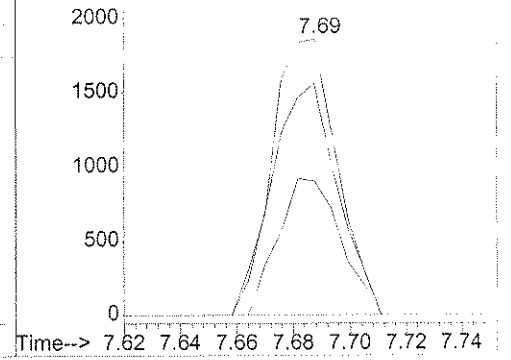
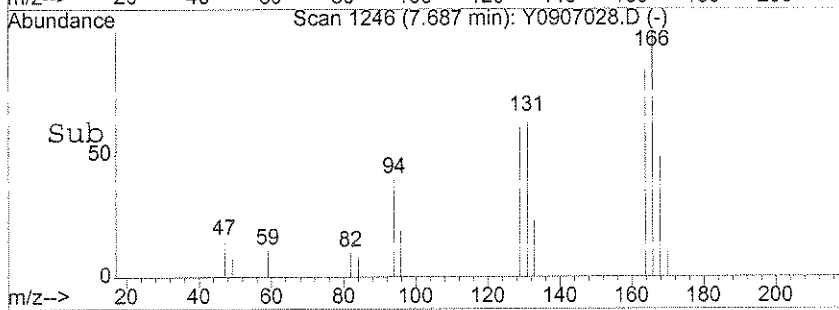


#56
 Tetrachloroethene
 Concen: 1.02 ug/l
 RT: 7.69 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: Y0907028.D
 Acq: 7 Sep 2006 16:43

Tgt Ion	Resp	Lower	Upper
166	2985		
164	83.8	61.7	92.5
168	47.3	38.6	57.8



Abundance
 Ion 165.95 (165.65 to 166.65): Y090702
 2500 Ion 163.95 (163.65 to 164.65): Y090702
 Ion 167.95 (167.65 to 168.65): Y090702



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907028.D Vial: 31
Acq On : 7 Sep 2006 16:43 Operator: LNW
Sample : JPL19-004 MW-23-1 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0907028.D 8260B.M Wed Sep 13 11:05:34 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-2-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-005
 Lab File ID: Y0907029.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 17:08
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.40	J
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-2-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-005
 Lab File ID: Y0907029.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 17:08
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-2-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-005
 Lab File ID: Y0907029.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 17:08
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DUPE-2-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec.
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-005
 Lab File ID: Y0907029.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/07/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

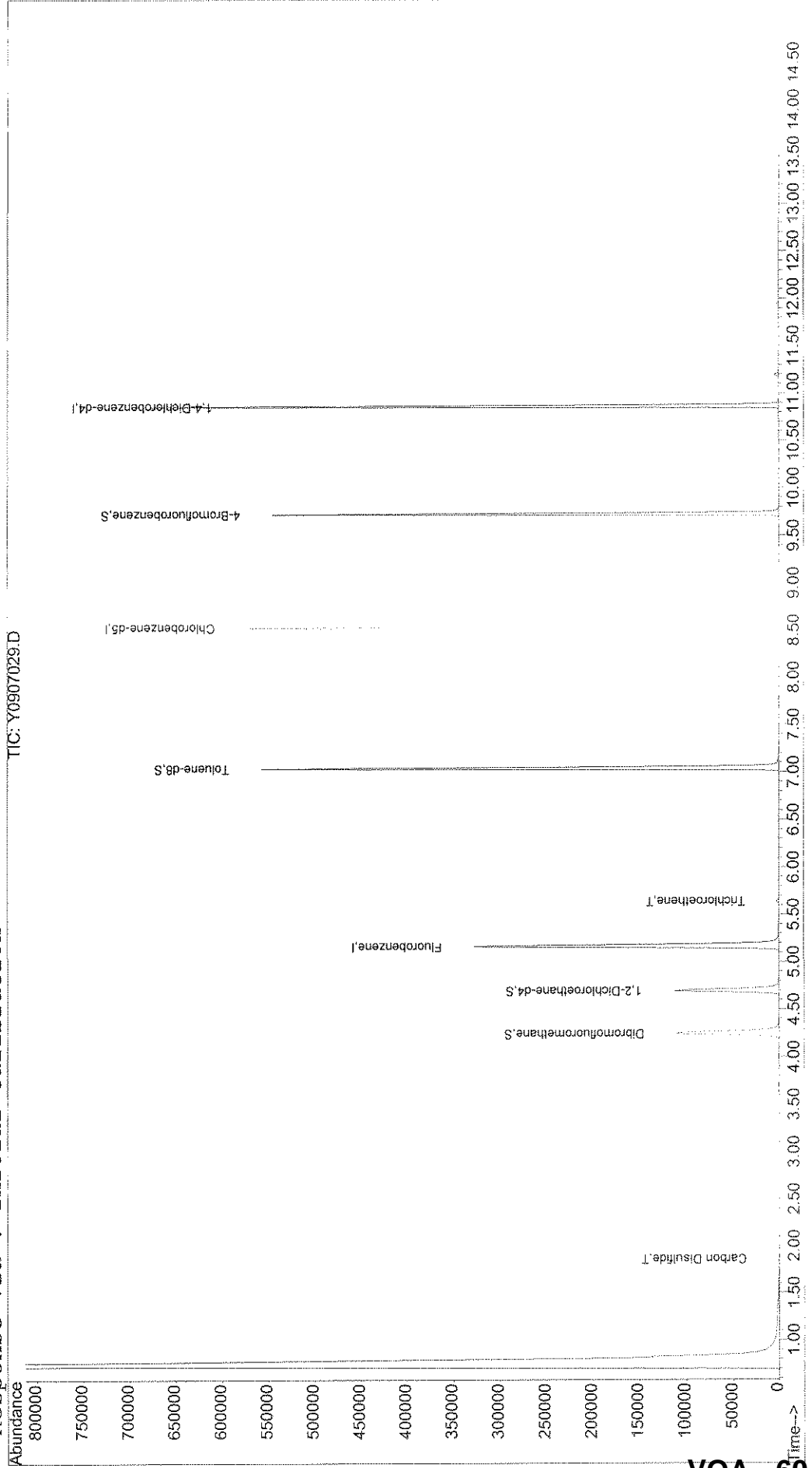
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907029.D Vial: 32
Acq On : 7 Sep 2006 17:08 Operator: LNW
Sample : JPL19-005 DUPE-2-3Q06 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 8:03 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Fri Sep 08 07:32:07 2006
Response via : Initial Calibration



VOA - 60

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907029.D
 Acq On : 7 Sep 2006 17:08
 Sample : JPL19-005 DUPE-2-3Q06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:03 2006

Vial: 32
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\CURVES\083106\Y0831022.D (31 Aug 2006 14:

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	364609	50.00	ug/l	0.00 88.10%
50) Chlorobenzene-d5	8.53	82	149346	50.00	ug/l	0.00 81.02%
69) 1,4-Dichlorobenzene-d4	10.87	152	176154	50.00	ug/l	0.00 74.81%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	99997	50.42	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	101917	54.67	ug/l	0.00
51) Toluene-d8	7.04	98	357359	52.40	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	133092	52.56	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.86	76	1866	0.36	ug/l ✓	100
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.77	63	289	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0907029.D 8260B.M Fri Sep 08 08:03:50 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907029.D
 Acq On : 7 Sep 2006 17:08
 Sample : JPL19-005 DUPE-2-3Q06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:03 2006

Vial: 32
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	4.00	83	762		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	4.76	78	453		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	5.64	130	1099	0.40	ug/l	94
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	6.27	83	53		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	6.98	43	56		N.D.	
52) Toluene	7.11	92	332		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	7.68	166	500		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.70	91	371		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	175		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.23	104	492		N.D.	
67) Bromoform	9.39	173	56		N.D.	
68) Isopropylbenzene	0.00	105	0		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

Handwritten signature and date: 9/8/06

(#) = qualifier out of range (m) = manual integration
 Y0907029.D 8260B.M Fri Sep 08 08:03:51 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907029.D
 Acq On : 7 Sep 2006 17:08
 Sample : JPL19-005 DUPE-2-3Q06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 8 8:03 2006

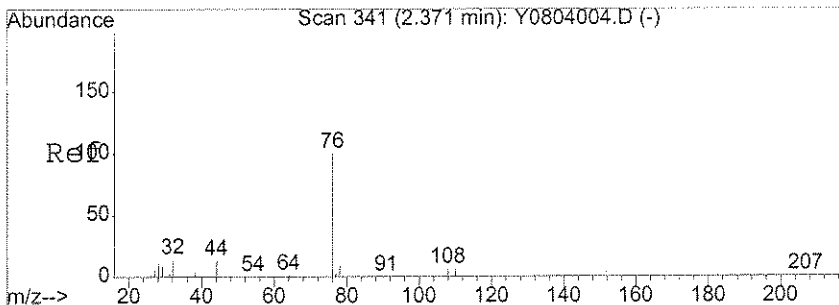
Vial: 32
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

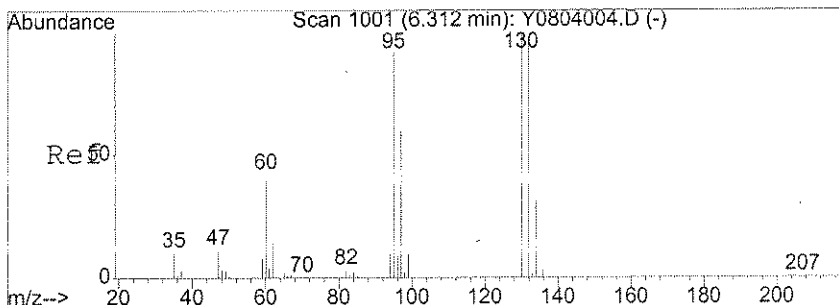
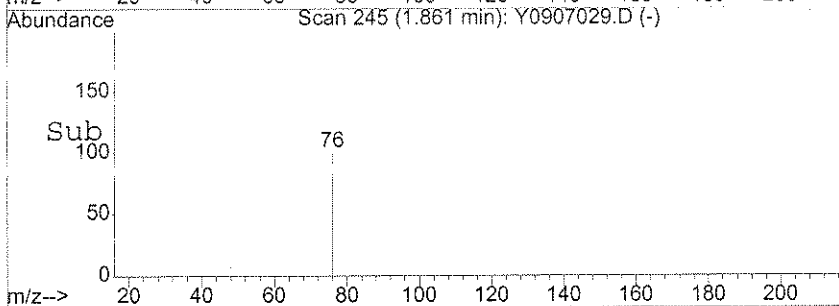
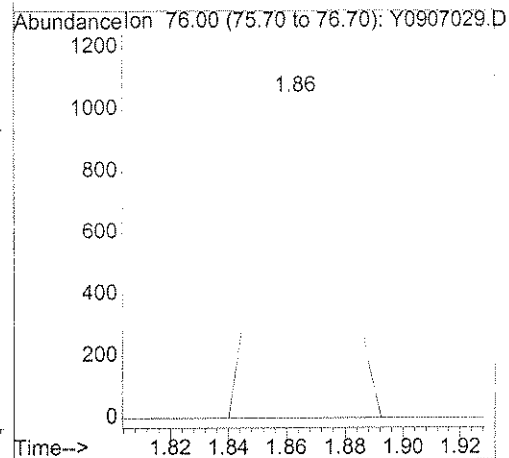
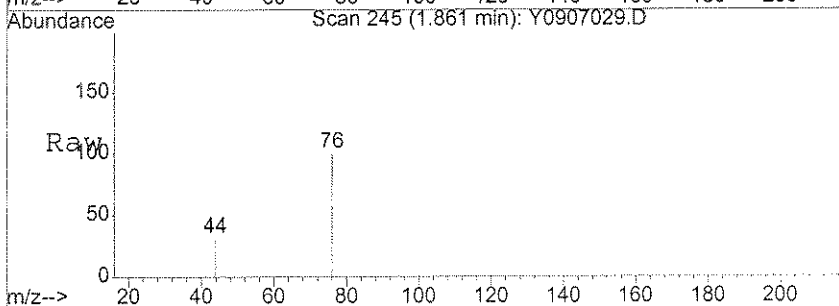
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	0.00	91	0		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	0.00	91	0		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	59		N.D.	
81) sec-butylbenzene	10.55	105	59		N.D.	
82) 4-Isopropyltoluene	10.88	119	63		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	210		N.D.	
85) n-Butylbenzene	0.00	91	0		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	363		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

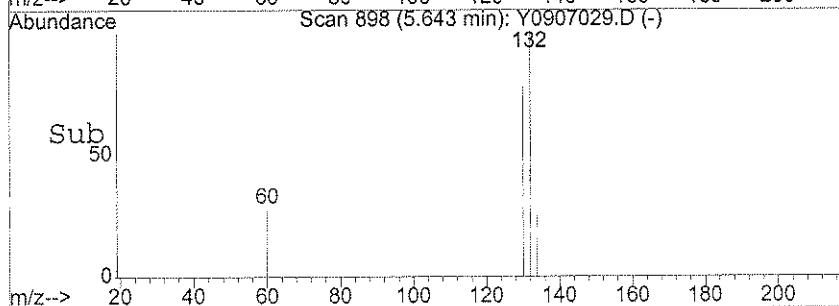
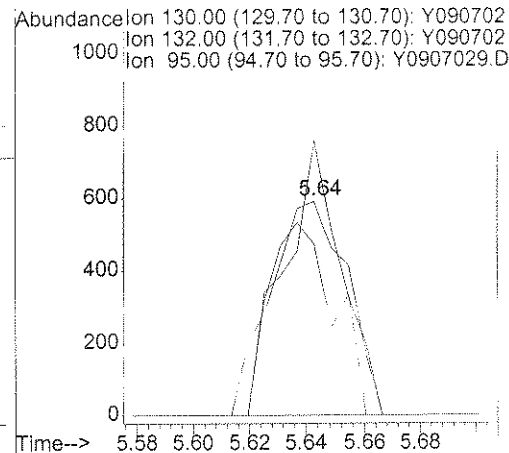
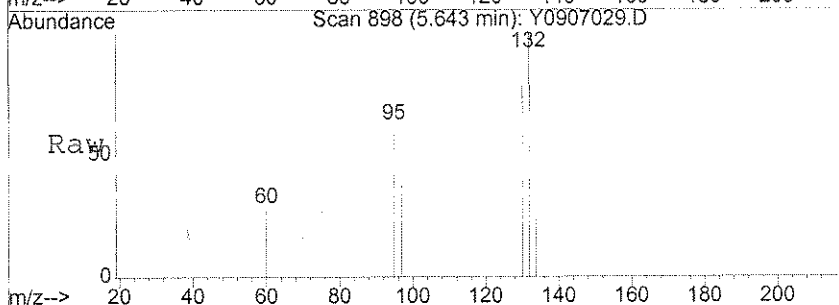
(#) = qualifier out of range (m) = manual integration
 Y0907029.D 8260B.M Fri Sep 08 08:03:51 2006



#14
 Carbon Disulfide
 Concen: 0.36 ug/l
 RT: 1.86 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: Y0907029.D
 Acq: 7 Sep 2006 17:08
 Tgt Ion: 76 Resp: 1866



#42
 Trichloroethene
 Concen: 0.40 ug/l
 RT: 5.64 min Scan# 898
 Delta R.T. -0.00 min
 Lab File: Y0907029.D
 Acq: 7 Sep 2006 17:08
 Tgt Ion: 130 Resp: 1099
 Ion Ratio Lower Upper
 130 100
 132 95.5 76.9 116.9
 95 76.3 67.3 107.3



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907029.D Vial: 32
Acq On : 7 Sep 2006 17:08 Operator: LNW
Sample : JPL19-005 DUPE-2-3Q06 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0907029.D 8260B.M Wed Sep 13 11:05:45 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-006
 Lab File ID: Y0907017.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 12:12
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010295

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0907017.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/07/2006 12:12

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010295

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-006

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0907017.D

Level: (LOW/MED) _____

Date Collected: 08/25/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/07/2006 12:12

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-006
 Lab File ID: Y0907017.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/07/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

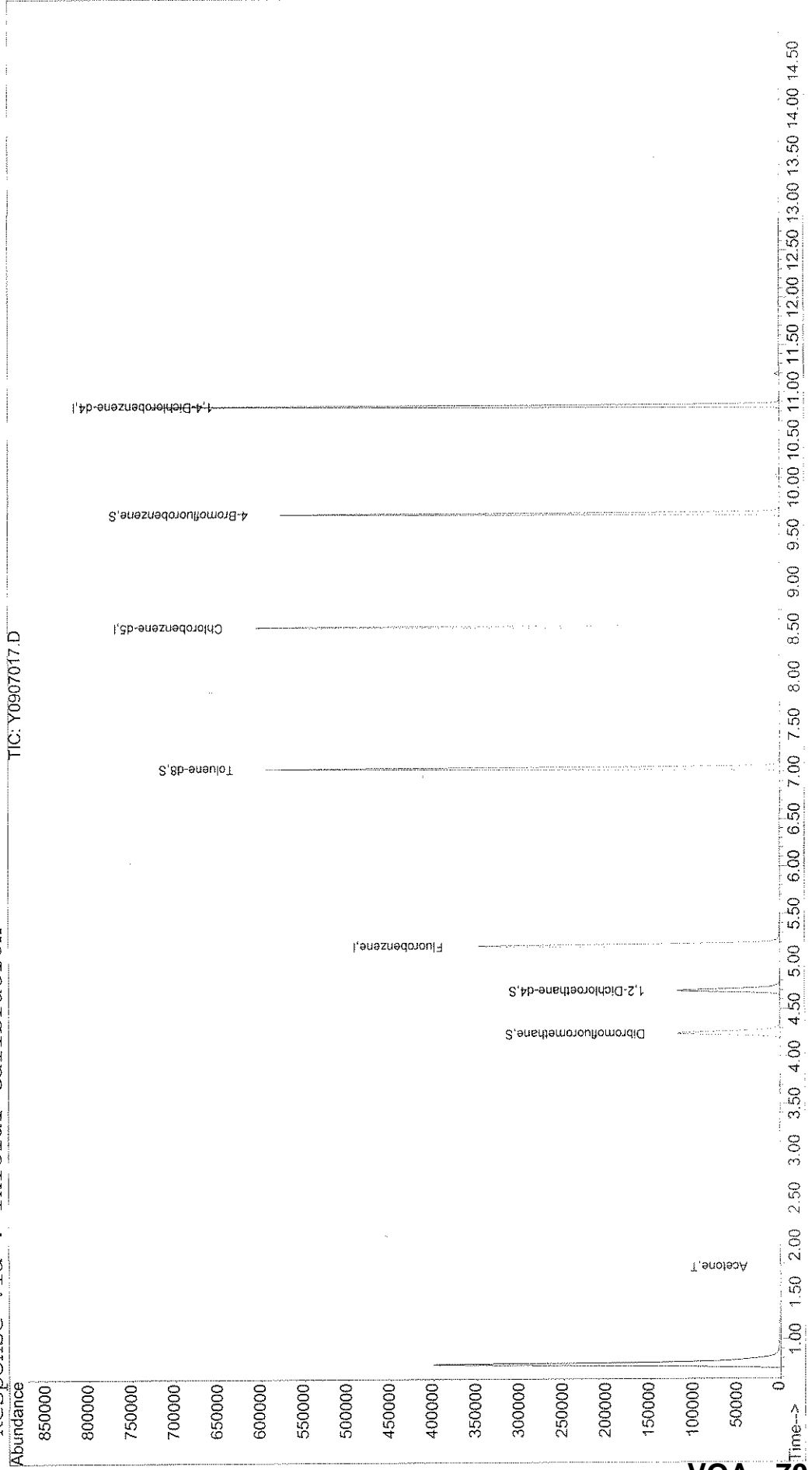
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907017.D Vial: 22
Acq On : 7 Sep 2006 12:12 Operator: LNW
Sample : JPL19-006 EB-9-8/25/06 Inst : Yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 7:51 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Fri Sep 08 07:32:07 2006
Response via : Initial Calibration



VOA - 70

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907017.D
 Acq On : 7 Sep 2006 12:12
 Sample : JPL19-006 EB-9-8/25/06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 8 7:51 2006

Vial: 22
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\CURVES\083106\Y0831022.D (31 Aug 2006 14:

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.17	96	387738	50.00	ug/l	0.00 93.69%
50) Chlorobenzene-d5	8.53	82	160593	50.00	ug/l	0.00 87.12%
69) 1,4-Dichlorobenzene-d4	10.87	152	189897	50.00	ug/l	0.00 80.65%

System Monitoring Compounds

32) Dibromofluoromethane	4.24	111	108977	51.67	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.70	65	108156	54.56	ug/l	0.00
51) Toluene-d8	7.04	98	378200	51.57	ug/l	0.00
70) 4-Bromofluorobenzene	9.73	95	142064	52.04	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.77	43	2854	4.18	ug/l	# 78
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Y0907017.D 8260B.M Fri Sep 08 07:52:10 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907017.D
 Acq On : 7 Sep 2006 12:12
 Sample : JPL19-006 EB-9-8/25/06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 8 7:51 2006

Vial: 22
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0		N.D.	
28) Propionitrile	0.00	54	0		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D.	
31) Chloroform	0.00	83	0		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	0.00	117	0		N.D.	
36) Methyl methacrylate	0.00	41	0		N.D.	
37) 1,1-Dichloropropene	0.00	75	0		N.D.	
39) Benzene	0.00	78	0		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Isobutanol	0.00	43	0		N.D.	
42) Trichloroethene	0.00	130	0		N.D.	
43) Methylcyclohexane	0.00	83	0		N.D.	
44) 1,2-Dichloropropane	0.00	63	0		N.D.	
45) Dibromomethane	0.00	93	0		N.D.	
46) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
47) Bromodichloromethane	0.00	83	0		N.D.	
48) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
49) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
52) Toluene	7.11	92	152		N.D.	
53) Ethyl methacrylate	0.00	69	0		N.D.	
54) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
55) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
56) Tetrachloroethene	0.00	166	0		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	0.00	129	0		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	8.55	112	57		N.D.	
62) Ethylbenzene	8.70	91	269		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	204		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	54		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.60	105	249		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.20	120	114		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 Y0907017.D 8260B.M Fri Sep 08 07:52:10 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907017.D
 Acq On : 7 Sep 2006 12:12
 Sample : JPL19-006 EB-9-8/25/06
 Misc : 5mL+IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 8 7:51 2006

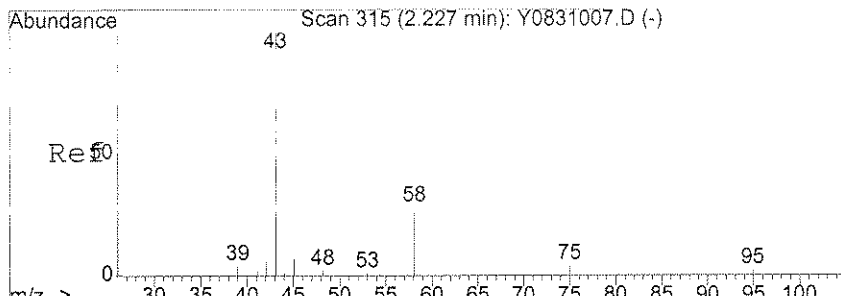
Vial: 22
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

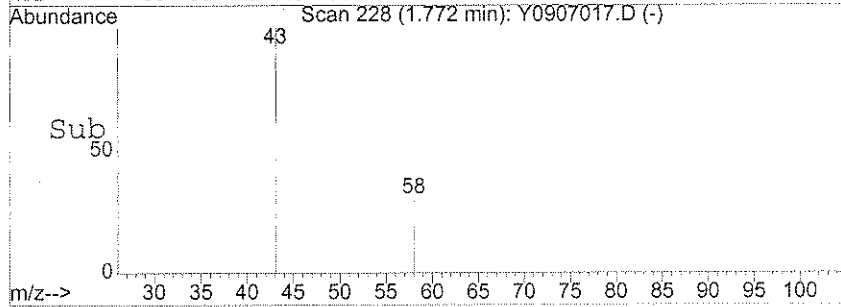
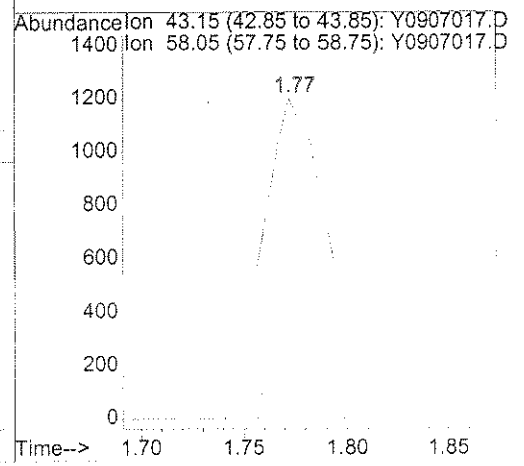
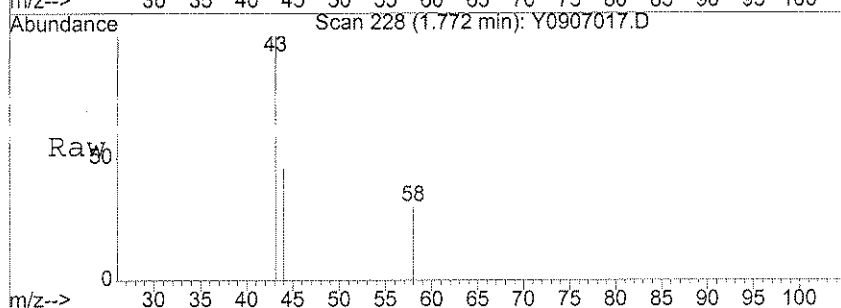
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.06	91	54		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	180		N.D.	
78) 4-Chlorotoluene	10.17	91	182		N.D.	
79) tert-Butylbenzene	10.50	119	173		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	295		N.D.	
81) sec-butylbenzene	10.72	105	526		N.D.	
82) 4-Isopropyltoluene	10.88	119	661		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	353		N.D.	
85) n-Butylbenzene	11.28	91	614		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	56		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0907017.D 8260B.M Fri Sep 08 07:52:10 2006



#11
 Acetone
 Concen: 4.18 ug/l
 RT: 1.77 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: Y0907017.D
 Acq: 7 Sep 2006 12:12

Tgt Ion: 43 Resp: 2854
 Ion Ratio Lower Upper
 43 100
 58 22.0 27.7 41.5#



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907017.D Vial: 22
Acq On : 7 Sep 2006 12:12 Operator: LNW
Sample : JPL19-006 EB-9-8/25/06 Inst : yoda
Misc : 5mL+IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0907017.D 8260B.M Wed Sep 13 11:05:07 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-007
 Lab File ID: Y0907016.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 11:47
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-007
 Lab File ID: Y0907016.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 11:47
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-007
 Lab File ID: Y0907016.D
 Date Collected: 08/25/2006
 Date/Time Analyzed: 09/07/2006 11:47
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-007
 Lab File ID: Y0907016.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/07/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

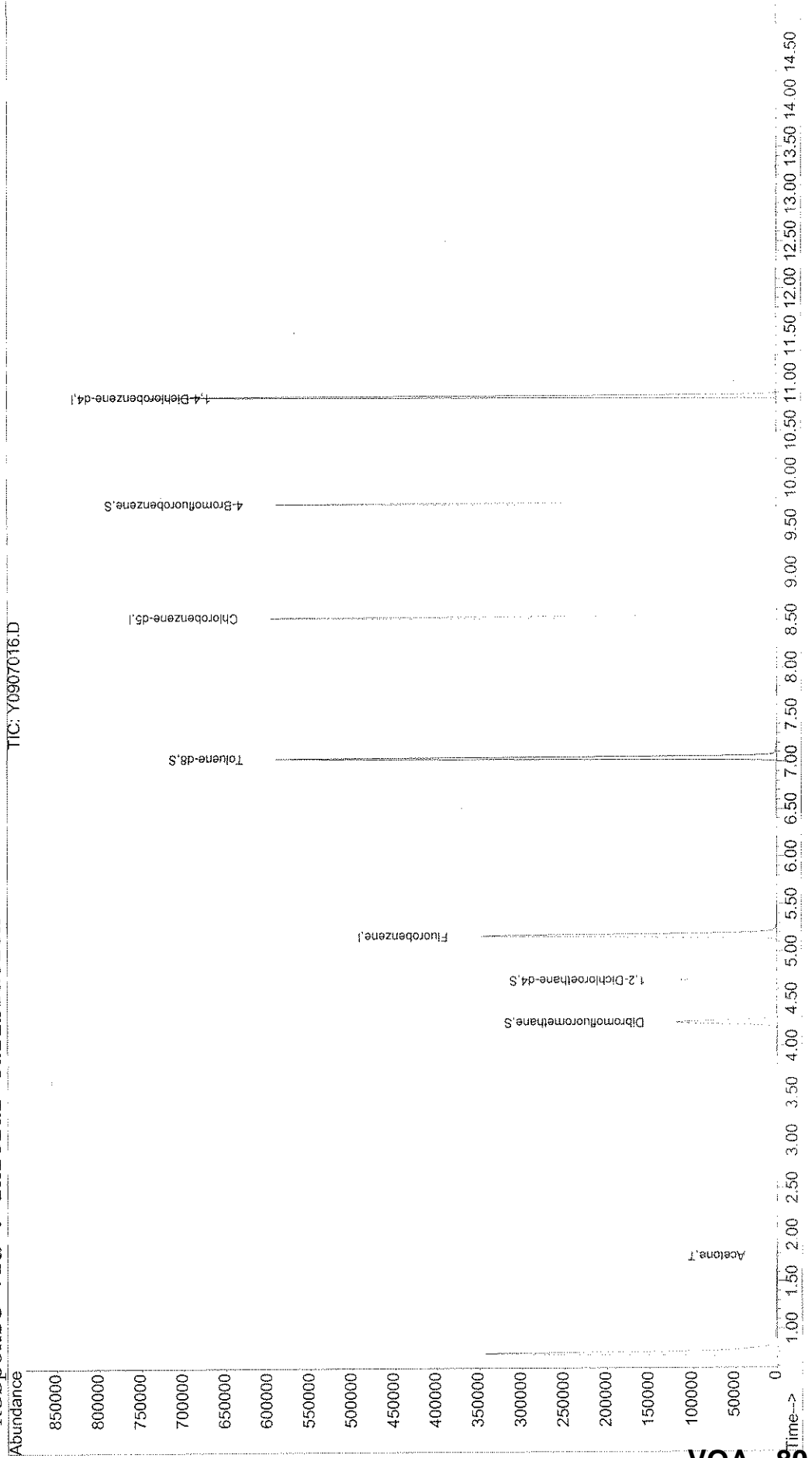
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907016.D Vial: 21
Acq On : 7 Sep 2006 11:47 Operator: LNW
Sample : JPL19-007 TB-9-8/25/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 8 7:50 2006 Quant Results File: 8260B.RES

Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260 - 5ML
Last Update : Fri Sep 08 07:32:07 2006
Response via : Initial Calibration



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907016.D
 Acq On : 7 Sep 2006 11:47
 Sample : JPL19-007 TB-9-8/25/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 8 7:50 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B
 IS QA File : Q:\MSDCHEM\1\DATA\CURVES\083106\Y0831022.D (31 Aug 2006 14:

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)	Rcv (Ar)
1) Fluorobenzene	5.17	96	386781	50.00	ug/l	0.00	93.46%
50) Chlorobenzene-d5	8.53	82	158473	50.00	ug/l	0.00	85.97%
69) 1,4-Dichlorobenzene-d4	10.87	152	189049	50.00	ug/l	0.00	80.29%

System Monitoring Compounds

32) Dibromofluoromethane	4.25	111	107164	50.93	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.70	65	106793	54.00	ug/l	0.00	
51) Toluene-d8	7.04	98	378088	52.25	ug/l	0.00	
70) 4-Bromofluorobenzene	9.73	95	142604	52.47	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	1.77	43	2223	3.26	ug/l	# 70
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	243	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0907016.D 8260B.M Fri Sep 08 07:50:56 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907016.D
 Acq On : 7 Sep 2006 11:47
 Sample : JPL19-007 TB-9-8/25/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 8 7:50 2006

Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) 2-Butanone	0.00	43	0	N.D.	d	
28) Propionitrile	0.00	54	0	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	3.94	41	56	N.D.		
31) Chloroform	0.00	83	0	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.47	75	126	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	0.00	130	0	N.D.		
43) Methylcyclohexane	0.00	83	0	N.D.		
44) 1,2-Dichloropropane	0.00	63	0	N.D.		
45) Dibromomethane	0.00	93	0	N.D.		
46) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
47) Bromodichloromethane	0.00	83	0	N.D.		
48) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
49) 4-Methyl-2-pentanone	0.00	43	0	N.D.	d	
52) Toluene	0.00	92	0	N.D.		
53) Ethyl methacrylate	0.00	69	0	N.D.		
54) trans-1,3-Dichloropropene	0.00	75	0	N.D.		
55) 1,1,2-Trichloroethane	0.00	97	0	N.D.		
56) Tetrachloroethene	7.68	166	57	N.D.		
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	0.00	129	0	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	8.56	112	141	N.D.		
62) Ethylbenzene	8.70	91	301	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.83	106	159	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	9.23	104	59	N.D.		
67) Bromoform	9.38	173	55	N.D.		
68) Isopropylbenzene	9.60	105	317	N.D.		
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.		
72) n-Propylbenzene	10.19	120	243	N.D.		
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 Y0907016.D 8260B.M Fri Sep 08 07:50:56 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907016.D
 Acq On : 7 Sep 2006 11:47
 Sample : JPL19-007 TB-9-8/25/06
 Misc : 5mL+IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 8 7:50 2006

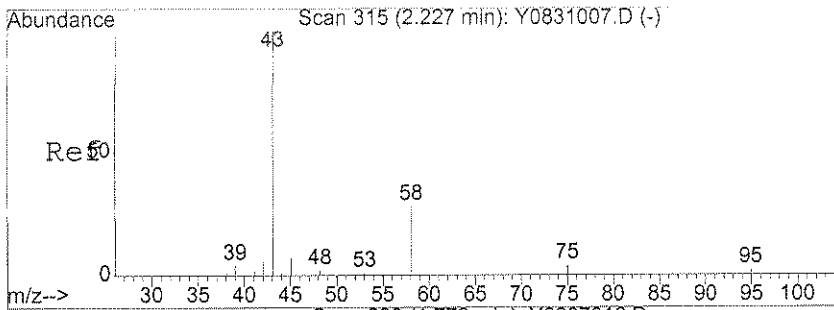
Vial: 21
 Operator: LNW
 Inst : yoda
 Multiplr: 1.00

Quant Results File: 8260B.RES

Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
 Title : VOA Standards for 5 point calibration 8260- 5ML
 Last Update : Fri Sep 08 07:32:07 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260B

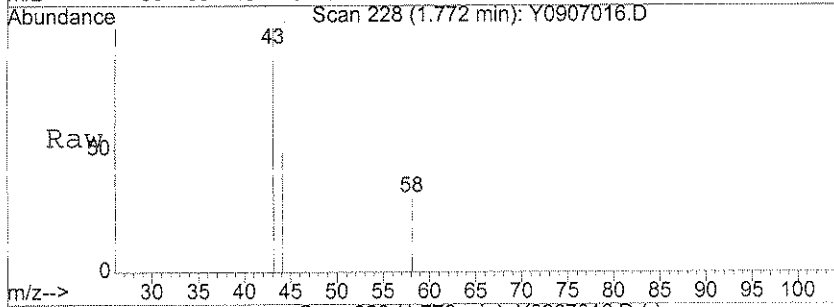
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.17	91	357		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	426		N.D.	
78) 4-Chlorotoluene	10.17	91	357		N.D.	
79) tert-Butylbenzene	10.51	119	406		N.D.	
80) 1,2,4-Trimethylbenzene	10.55	105	365		N.D.	
81) sec-butylbenzene	10.73	105	699		N.D.	
82) 4-Isopropyltoluene	10.88	119	891		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	464		N.D.	
85) n-Butylbenzene	11.28	91	893		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	331		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
89) Hexachlorobutadiene	0.00	225	0		N.D.	d
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

(#) = qualifier out of range (m) = manual integration
 Y0907016.D 8260B.M Fri Sep 08 07:50:57 2006

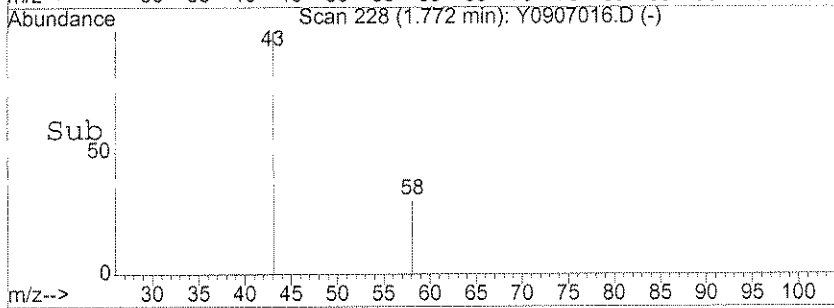
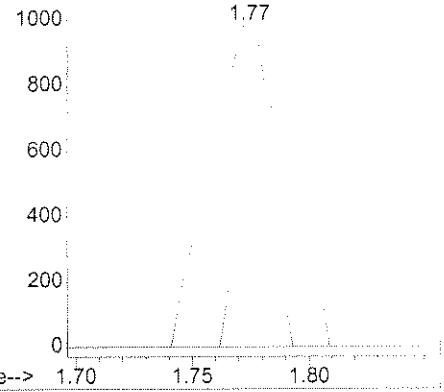


#11
 Acetone
 Concen: 3.26 ug/l
 RT: 1.77 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: Y0907016.D
 Acq: 7 Sep 2006 11:47

Tgt Ion: 43 Resp: 2223
 Ion Ratio Lower Upper
 43 100
 58 17.5 27.7 41.5#



Abundance Ion 43.15 (42.85 to 43.85): Y0907016.D
 Ion 58.05 (57.75 to 58.75): Y0907016.D



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\090706\Y0907016.D Vial: 21
Acq On : 7 Sep 2006 11:47 Operator: LNW
Sample : JPL19-007 TB-9-8/25/06 Inst : yoda
Misc : 5mL+IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : Q:\MSDCHEM\1\QUANT\8260B.M (RTE Integrator)
Title : VOA Standards for 5 point calibration 8260- 5ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

Y0907016.D 8260B.M Wed Sep 13 11:04:56 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-008
 Lab File ID: B0911010.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 13:10
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-008

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911010.D

Level: (LOW/MED) _____

Date Collected: 08/28/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/11/2006 13:10

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-008
 Lab File ID: B0911010.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 13:10
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-5

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-008

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911010.D

Level: (LOW/MED) _____

Date Collected: 08/29/2006

% Moisture: not dec. _____

Date Analyzed: 09/11/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

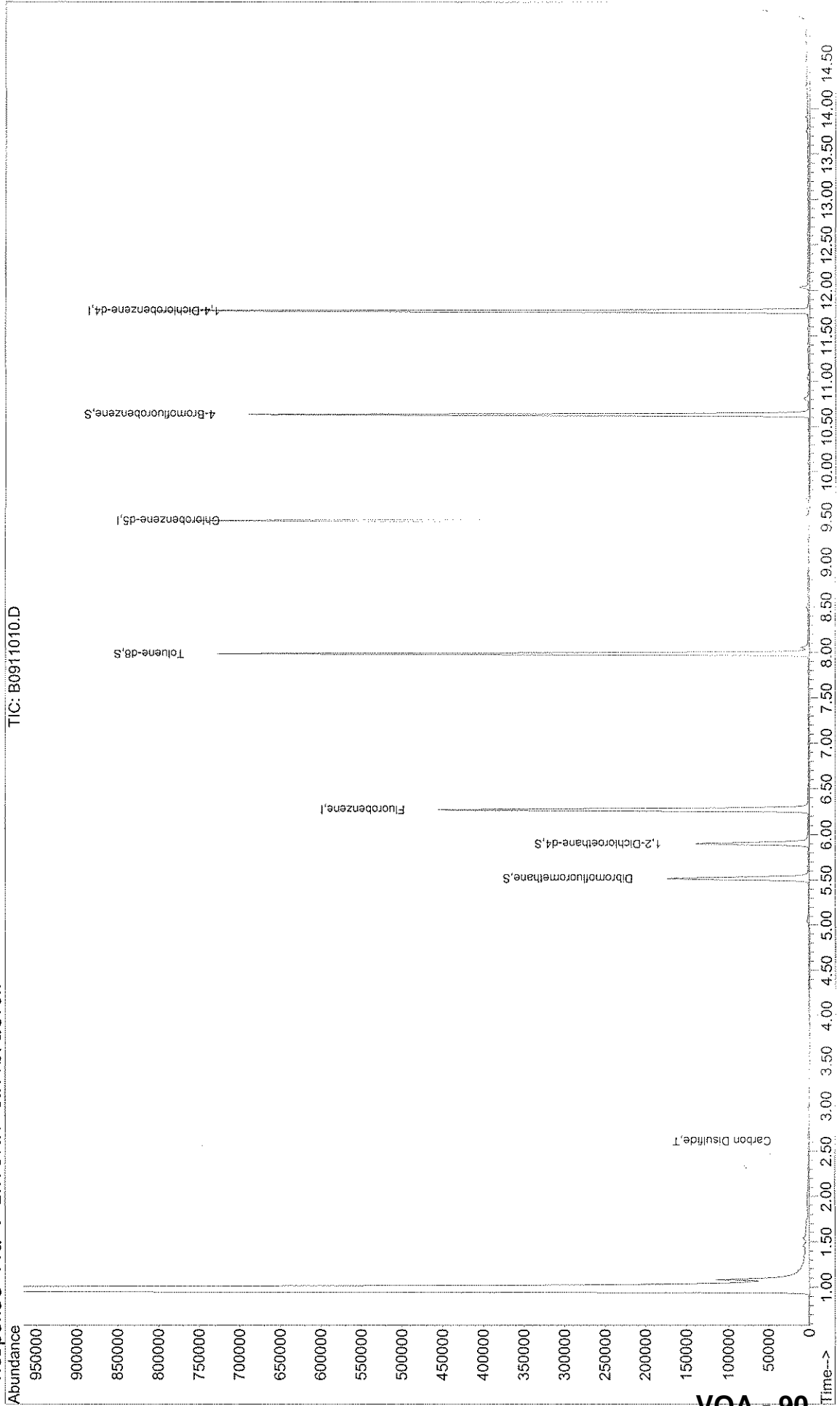
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911010.D
Acq On : 11 Sep 2006 13:10 Vial: 5
Sample : JPL19-008 MW-25-5 Operator: DGA
Misc : 25ML +IS/SS #3 Inst : Buddha
MS Integration Params: rteint.p Multiplr: 1.00
Quant Time: Sep 11 14:15 2006
Quant Results File: 826025ML.RES

Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 90

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911010.D Vial: 5
 Acq On : 11 Sep 2006 13:10 Operator: DGA
 Sample : JPL19-008 MW-25-5 Inst : Buddha
 Misc : 25ML +IS/SS #3 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Sep 11 14:15 2006

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	393537	10.00	ug/l	0.01 83.63%
51) chlorobenzene-d5	9.45	82	201722	10.00	ug/l	0.00 87.20%
71) 1,4-Dichlorobenzene-d4	11.77	152	205037	10.00	ug/l	0.00 73.80%
System Monitoring Compounds						
32) Dibromofluoromethane	5.52	111	111085	10.22	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.90	65	117630	9.89	ug/l	0.01
52) Toluene-d8	7.98	98	433086	10.15	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	166587	10.78	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	362	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	1.67	64	83	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	7952	0.33	ug/l	100
15) Allyl chloride	2.75	76	378	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	2.93	43	73	N.D.		
18) Methylene Chloride	2.99	84	124	Below Cal		81
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.05	43	37	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	4.82	96	30	N.D.		
27) Propionitrile	5.11	54	41	N.D.		
28) 2-Butanone	4.92	43	58	N.D.		
29) Bromochloromethane	5.11	128	29	N.D.		
30) Methacrylonitrile	5.18	41	33	N.D.		
31) Chloroform	5.31	83	165	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Isobutanol	6.04	43	42	Below Cal	#	18
37) 1,1-Dichloropropene	5.67	75	66	N.D.		
39) Benzene	5.91	78	445	N.D.		
40) 1,2-Dichloroethane	6.00	62	42	N.D.		
41) Trichloroethene	6.69	130	32	N.D.		
42) Methylcyclohexane	6.83	83	40	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0911010.D 826025ML.M Mon Sep 11 14:15:50 2006

Quantitation Report

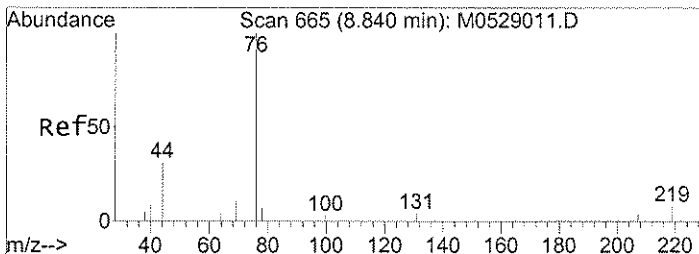
Data File : N:\MSDCHEM\1\DATA\091106\B0911010.D
 Acq On : 11 Sep 2006 13:10
 Sample : JPL19-008 MW-25-5
 Misc : 25ML +IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 11 14:15 2006

Vial: 5
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

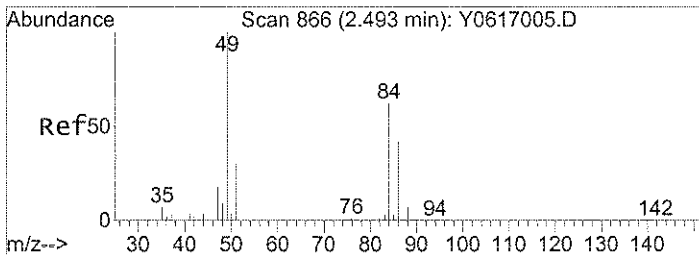
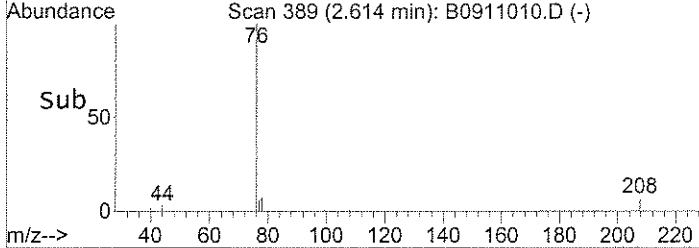
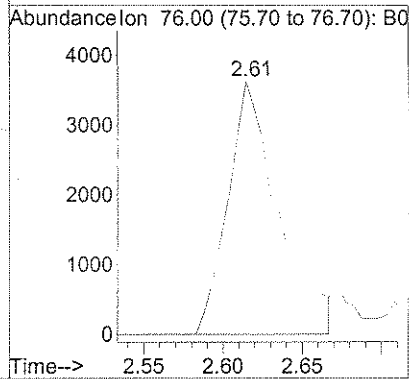
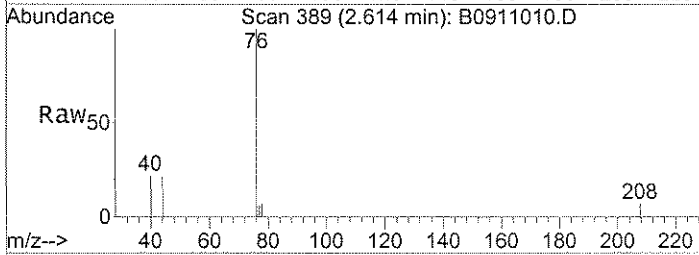
Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

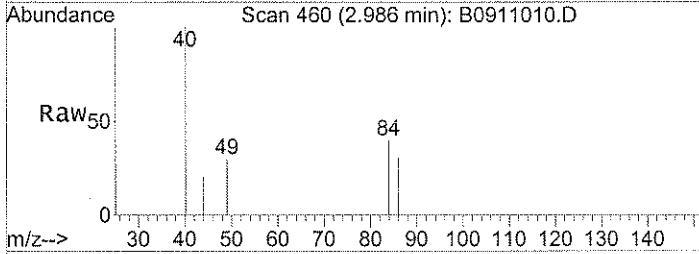
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	6.93	63	36		N.D.	
44) Dibromomethane	0.00	93	0		N.D.	
45) Methyl methacrylate	0.00	41	0		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	d
47) 2-Chloroethyl vinyl ether	7.66	63	39		N.D.	
48) Bromodichloromethane	7.13	83	33		N.D.	
49) cis-1,3-Dichloropropene	7.93	75	35		N.D.	
50) 4-Methyl-2-pentanone	7.92	43	91		N.D.	
53) Toluene	8.05	92	2666		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.15	75	36		N.D.	
56) 1,1,2-Trichloroethane	8.60	97	36		N.D.	
57) Tetrachloroethene	8.60	166	61		N.D.	
58) 2-Hexanone	8.75	43	30		N.D.	
59) 1,3-Dichloropropane	8.55	76	41		N.D.	
60) Dibromochloromethane	8.77	129	36		N.D.	
61) 1,2-Dibromoethane	0.00	107	0		N.D.	
62) Chlorobenzene	9.48	112	116		N.D.	
63) 1-Chlorohexane	9.58	91	292		N.D.	
64) Ethylbenzene	9.58	91	292		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.70	131	29		N.D.	
66) m,p-xylene	9.70	106	825		N.D.	
67) o-xylene	10.10	106	275		N.D.	
68) Styrene	10.12	104	357		N.D.	
69) Bromoform	10.33	173	32		N.D.	
70) Isopropylbenzene	10.46	105	123		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.94	83	40		N.D.	
74) n-Propylbenzene	10.88	120	95		N.D.	
75) trans-1,4-Dichloro-2-buten	10.57	53	39		N.D.	
76) Bromobenzene	10.76	156	70		N.D.	
77) 1,2,3-Trichloropropane	10.81	110	29	Below Cal	#	1
78) 2-Chlorotoluene	10.96	91	87		N.D.	
79) 1,3,5-Trimethylbenzene	10.99	105	93		N.D.	
80) 4-Chlorotoluene	11.07	91	216		N.D.	
81) tert-Butylbenzene	11.36	119	113		N.D.	
82) 1,2,4-Trimethylbenzene	11.42	105	487		N.D.	
83) sec-butylbenzene	11.58	105	386		N.D.	
84) 4-Isopropyltoluene	11.73	119	470		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.80	146	34		N.D.	
87) n-Butylbenzene	12.13	91	407		N.D.	
88) 1,2-Dichlorobenzene	12.16	146	111		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.91	157	34		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	453		N.D.	
91) Hexachlorobutadiene	13.90	225	300		N.D.	
92) Naphthalene	14.00	128	537		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	650		N.D.	



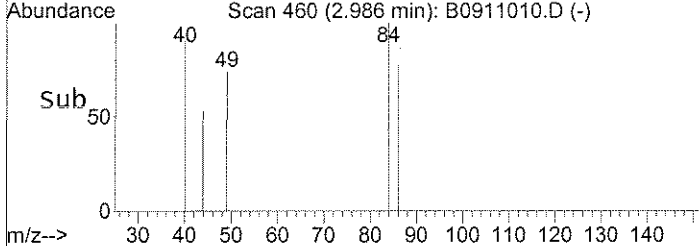
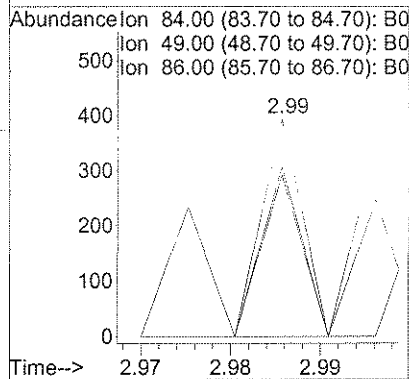
#14
 Carbon Disulfide
 Concen: 0.33 ug/l
 RT: 2.61 min Scan# 389
 Delta R.T. 0.02 min
 Lab File: B0911010.D
 Acq: 11 Sep 2006 13:10
 Tgt Ion: 76 Resp: 7952



#18
 Methylene chloride
 Concen: Below Cal
 RT: 2.99 min Scan# 460
 Delta R.T. 0.01 min
 Lab File: B0911010.D
 Acq: 11 Sep 2006 13:10
 Tgt Ion: 84 Resp: 124



Ion	Ratio	Lower	Upper
84	100		
49	136.3	96.6	136.6
86	77.4	41.1	81.1



Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911010.D Vial: 5
Acq On : 11 Sep 2006 13:10 Operator: DGA
Sample : JPL19-008 MW-25-5 Inst : Buddha
Misc : 25ML +IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911010.D 826025ML.M Mon Sep 11 16:52:25 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-009
 Lab File ID: B0911012.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 14:49
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-4

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-009

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911012.D

Level: (LOW/MED) _____

Date Collected: 08/28/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/11/2006 14:49

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-4

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-009
 Lab File ID: B0911012.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 14:49
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-009
 Lab File ID: B0911012.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

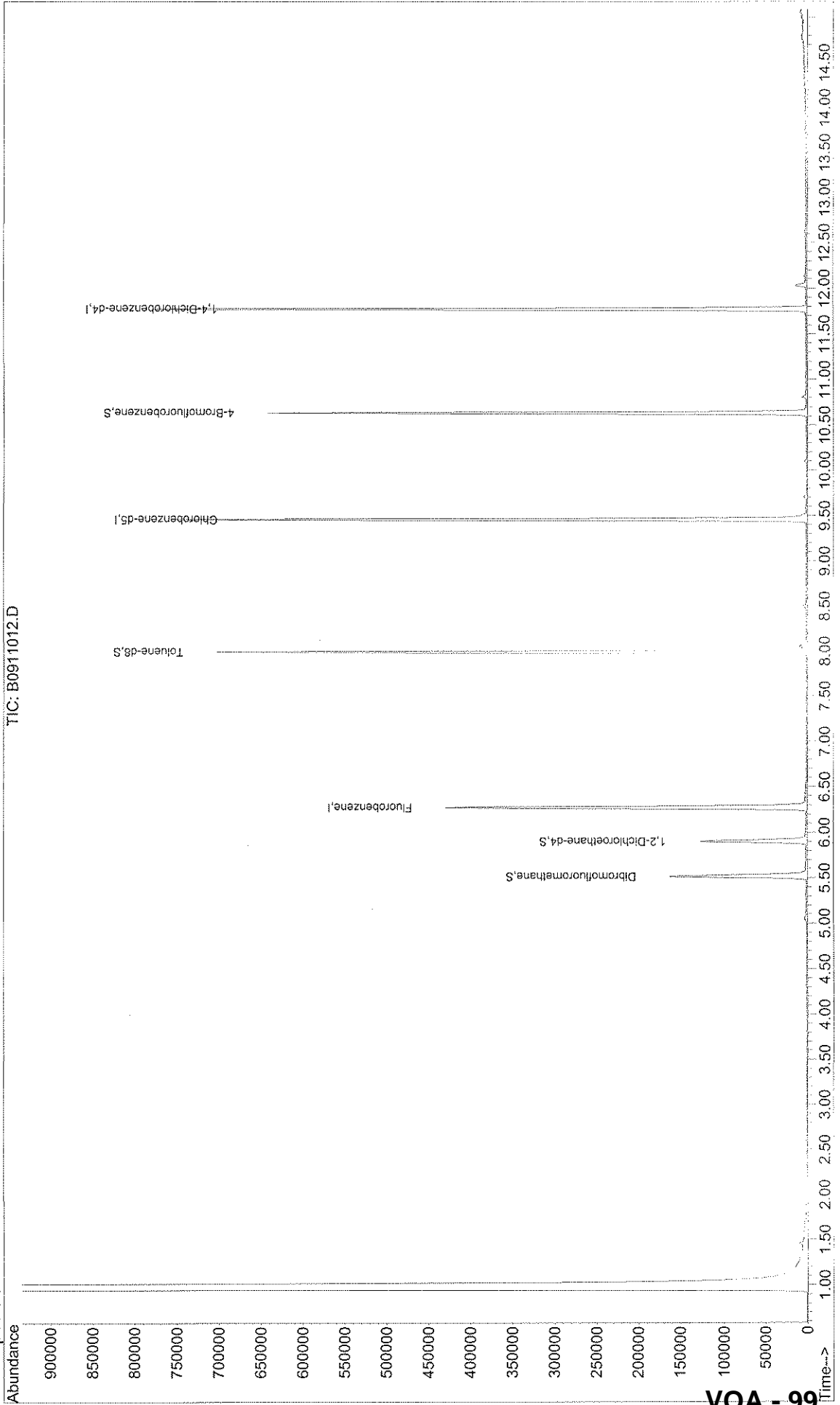
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911012.D
Acq On : 11 Sep 2006 14:49 Vial: 7
Sample : JPL19-009 MW-25-4 Operator: DGA
Misc : 25ML +IS/SS #3 Inst : Buddha
MS Integration Params: rteint.p Multiplr: 1.00
Quant Time: Sep 11 15:49 2006 Quant Results File: 826025ML.RES

Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 99

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911012.D Vial: 7
 Acq On : 11 Sep 2006 14:49 Operator: DGA
 Sample : JPL19-009 MW-25-4 Inst : Buddha
 Misc : 25ML +IS/SS #3 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Sep 11 15:49 2006 Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	376089	10.00	ug/l	0.00 79.93%
51) Chlorobenzene-d5	9.45	82	196605	10.00	ug/l	0.00 84.99%
71) 1,4-Dichlorobenzene-d4	11.77	152	193307	10.00	ug/l	0.00 69.58%
System Monitoring Compounds						
32) Dibromofluoromethane	5.51	111	105307	10.14	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	112512	9.90	ug/l	0.01
52) Toluene-d8	7.98	98	422360	10.16	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	161880	11.11	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	485	N.D.		
4) Vinyl Chloride	1.32	62	166	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.50	43	82	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	3224	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.09	43	70	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.82	77	55	N.D.		
26) cis-1,2-Dichloroethene	4.84	96	30	N.D.		
27) Propionitrile	5.03	54	29	N.D.		
28) 2-Butanone	4.94	43	86	N.D.		
29) Bromochloromethane	5.18	128	64	N.D.		
30) Methacrylonitrile	5.17	41	48	N.D.		
31) chloroform	5.30	83	218	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	5.49	56	31	N.D.		
35) Carbon Tetrachloride	5.64	117	39	N.D.		
36) Isobutanol	0.00	43	0	N.D.	d	
37) 1,1-Dichloropropene	5.66	75	29	N.D.		
39) Benzene	5.92	78	670	N.D.		
40) 1,2-Dichloroethane	6.00	62	32	N.D.		
41) Trichloroethene	6.69	130	50	N.D.		
42) Methylcyclohexane	6.84	83	90	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0911012.D 826025ML.M Mon Sep 11 15:49:17 2006

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911012.D
 Acq On : 11 Sep 2006 14:49
 Sample : JPL19-009 MW-25-4
 Misc : 25ML +IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 11 15:49 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	0.00	63	0		N.D.	
44) Dibromomethane	7.21	93	31		N.D.	
45) Methyl methacrylate	7.04	41	34		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	d
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	0.00	83	0		N.D.	
49) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
50) 4-Methyl-2-pentanone	7.95	43	62		N.D.	
53) Toluene	8.06	92	2060		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.33	75	41		N.D.	
56) 1,1,2-Trichloroethane	8.54	97	38		N.D.	
57) Tetrachloroethene	8.60	166	81		N.D.	
58) 2-Hexanone	8.76	43	35		N.D.	
59) 1,3-Dichloropropane	8.67	76	41		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	8.92	107	32		N.D.	
62) Chlorobenzene	9.49	112	37		N.D.	
63) 1-Chlorohexane	9.58	91	404		N.D.	
64) Ethylbenzene	9.58	91	404		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.58	131	44		N.D.	
66) m,p-Xylene	9.70	106	637		N.D.	
67) o-xylene	10.10	106	674		N.D.	
68) Styrene	10.11	104	161		N.D.	
69) Bromoform	0.00	173	0		N.D.	
70) Isopropylbenzene	10.45	105	112		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.88	83	33		N.D.	
74) n-Propylbenzene	10.86	120	96		N.D.	
75) trans-1,4-Dichloro-2-buten	10.60	53	30		N.D.	
76) Bromobenzene	10.76	156	59		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
78) 2-Chlorotoluene	11.08	91	107		N.D.	
79) 1,3,5-Trimethylbenzene	11.04	105	231		N.D.	
80) 4-Chlorotoluene	11.08	91	107		N.D.	
81) tert-Butylbenzene	11.36	119	186		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	113		N.D.	
83) sec-butylbenzene	11.57	105	327		N.D.	
84) 4-Isopropyltoluene	11.72	119	599		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.79	146	490		N.D.	
87) n-Butylbenzene	12.13	91	501		N.D.	
88) 1,2-Dichlorobenzene	12.16	146	81		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.01	157	35		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	709		N.D.	
91) Hexachlorobutadiene	13.91	225	479		N.D.	
92) Naphthalene	14.00	128	249		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	312		N.D.	

Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911012.D Vial: 7
Acq On : 11 Sep 2006 14:49 Operator: DGA
Sample : JPL19-009 MW-25-4 Inst : Buddha
Misc : 25ML +IS/SS #3 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911012.D 826025ML.M Mon Sep 11 16:52:34 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-010
 Lab File ID: B0911013.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 15:22
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.79	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-3

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-010

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911013.D

Level: (LOW/MED) _____

Date Collected: 08/28/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/11/2006 15:22

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-3

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-010
 Lab File ID: B0911013.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 15:22
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-010
 Lab File ID: B0911013.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

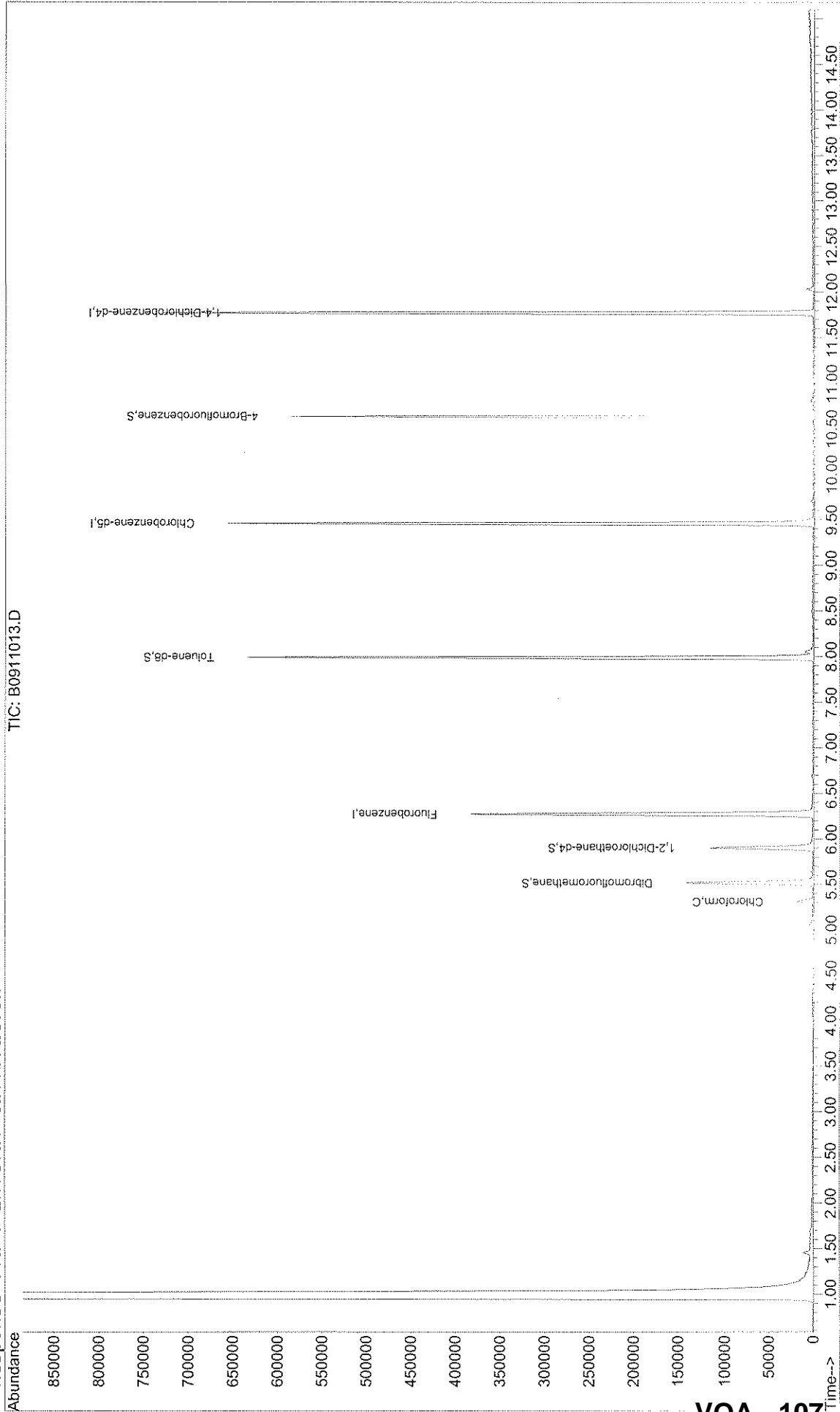
Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911013.D
Acq On : 11 Sep 2006 15:22
Sample : JPL19-010 MW-25-3
Misc : 25ML +IS/SS #2
MS Integration Params: rteint.p
Quant Time: Sep 11 15:49 2006

Vial: 8
Operator: DGA
Inst : Buddha
Multiplr: 1.00

Quant Results File: 826025ML.RES

Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 107

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911013.D
 Acq On : 11 Sep 2006 15:22
 Sample : JPL19-010 MW-25-3
 Misc : 25ML +IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 11 15:49 2006

Vial: 8
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	336844	10.00	ug/l	0.00 71.59%
51) Chlorobenzene-d5	9.45	82	173473	10.00	ug/l	0.00 74.99%
71) 1,4-Dichlorobenzene-d4	11.77	152	185401	10.00	ug/l	0.00 66.73%
System Monitoring Compounds						
32) Dibromofluoromethane	5.52	111	96326	10.35	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.90	65	103027	10.12	ug/l	0.00
52) Toluene-d8	7.99	98	375249	10.23	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	147728	10.57	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	155	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.48	43	95	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.60	76	991	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	2.94	43	65	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.05	43	30	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.83	77	31	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
27) Propionitrile	5.13	54	45	N.D.		
28) 2-Butanone	4.91	43	46	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	5.27	41	33	N.D.		
31) Chloroform	5.31	83	14263	0.79	ug/l	# 64
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	5.38	56	31	N.D.		
35) Carbon Tetrachloride	5.65	117	136	N.D.		
36) Isobutanol	0.00	43	0	N.D.	d	
37) 1,1-Dichloropropene	5.62	75	54	N.D.		
39) Benzene	5.92	78	290	N.D.		
40) 1,2-Dichloroethane	5.93	62	34	N.D.		
41) Trichloroethene	6.69	130	183	N.D.		
42) Methylcyclohexane	0.00	83	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0911013.D 826025ML.M Mon Sep 11 15:50:01 2006

Quantitation Report

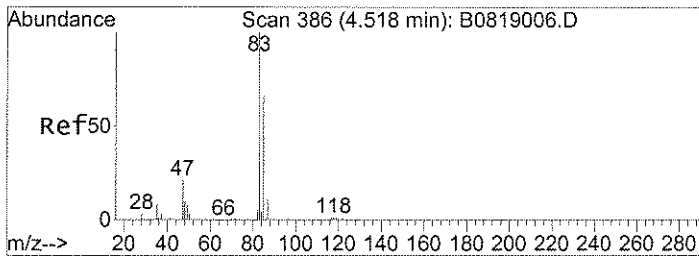
Data File : N:\MSDCHEM\1\DATA\091106\B0911013.D
 Acq On : 11 Sep 2006 15:22
 Sample : JPL19-010 MW-25-3
 Misc : 25ML +IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 11 15:49 2006

Vial: 8
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

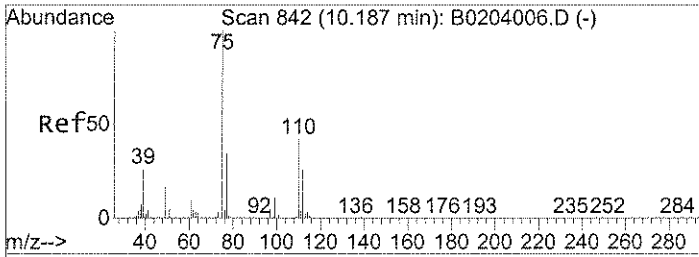
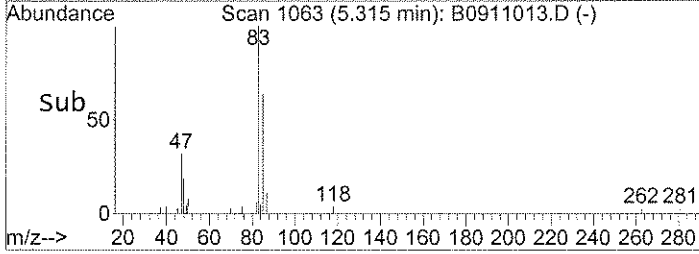
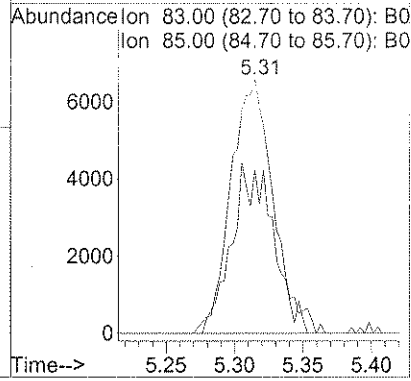
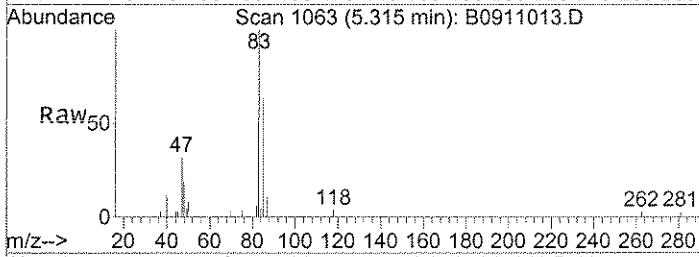
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	7.02	63	30		N.D.	
44) Dibromomethane	6.93	93	32		N.D.	
45) Methyl methacrylate	7.03	41	35		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	7.52	63	29		N.D.	
48) Bromodichloromethane	7.29	83	444		N.D.	
49) cis-1,3-Dichloropropene	7.54	75	84		N.D.	
50) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
53) Toluene	8.05	92	2335		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	
55) trans-1,3-Dichloropropene	8.35	75	30		N.D.	
56) 1,1,2-Trichloroethane	8.50	97	42		N.D.	
57) Tetrachloroethene	8.60	166	320		N.D.	
58) 2-Hexanone	8.79	43	32		N.D.	
59) 1,3-Dichloropropane	0.00	76	0		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	9.09	107	30		N.D.	
62) Chlorobenzene	9.47	112	30		N.D.	
63) 1-Chlorohexane	9.58	91	176		N.D.	
64) Ethylbenzene	9.58	91	176		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-Xylene	9.71	106	807		N.D.	
67) o-xylene	10.09	106	29		N.D.	
68) Styrene	10.09	104	29		N.D.	
69) Bromoform	10.33	173	60		N.D.	
70) Isopropylbenzene	10.62	105	77		N.D.	
73) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
74) n-Propylbenzene	10.87	120	32		N.D.	
75) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
76) Bromobenzene	10.66	156	75		N.D.	
77) 1,2,3-Trichloropropane	10.82	110	51	Below Cal	#	1
78) 2-Chlorotoluene	10.96	91	30		N.D.	
79) 1,3,5-Trimethylbenzene	10.96	105	57		N.D.	
80) 4-Chlorotoluene	11.07	91	55		N.D.	
81) tert-Butylbenzene	0.00	119	0		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	160		N.D.	
83) sec-butylbenzene	11.58	105	80		N.D.	
84) 4-Isopropyltoluene	11.73	119	200		N.D.	
85) 1,3-Dichlorobenzene	11.77	111	2011		N.D.	
86) 1,4-Dichlorobenzene	11.79	146	185		N.D.	
87) n-Butylbenzene	12.13	91	101		N.D.	
88) 1,2-Dichlorobenzene	12.16	146	49		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.11	157	33		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	136		N.D.	
91) Hexachlorobutadiene	13.90	225	131		N.D.	
92) Naphthalene	13.99	128	71		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	35		N.D.	



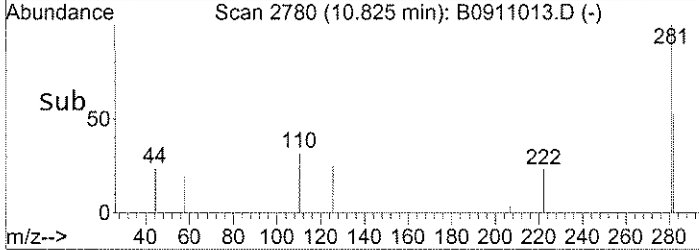
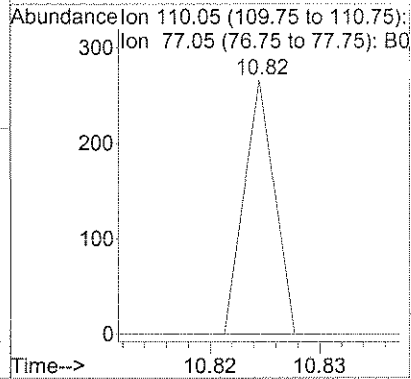
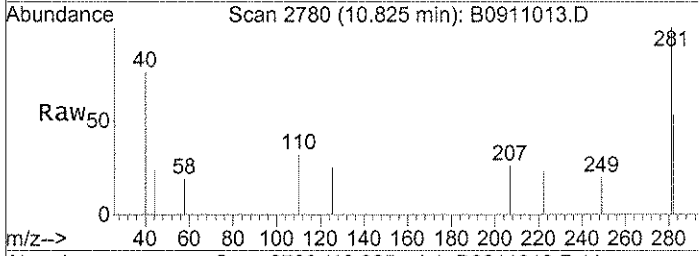
#31
 Chloroform
 Concen: 0.79 ug/l
 RT: 5.31 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: B0911013.D
 Acq: 11 Sep 2006 15:22

Tgt Ion	Resp	Lower	Upper
83	14263		
85	31.5	38.2	78.2#



#77
 1,2,3-Trichloropropane
 Concen: Below Cal
 RT: 10.82 min Scan# 2780
 Delta R.T. -0.01 min
 Lab File: B0911013.D
 Acq: 11 Sep 2006 15:22

Tgt Ion	Resp	Lower	Upper
110	51		
77	0.0	143.7	215.5#



Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911013.D Vial: 8
Acq On : 11 Sep 2006 15:22 Operator: DGA
Sample : JPL19-010 MW-25-3 Inst : Buddha
Misc : 25ML +IS/SS #2 Multiplier: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911013.D 826025ML.M Mon Sep 11 16:52:41 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-011

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911014.D

Level: (LOW/MED) _____

Date Collected: 08/28/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/11/2006 15:54

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-011
 Lab File ID: B0911014.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 15:54
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-011
 Lab File ID: B0911014.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 15:54
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-011
 Lab File ID: B0911014.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

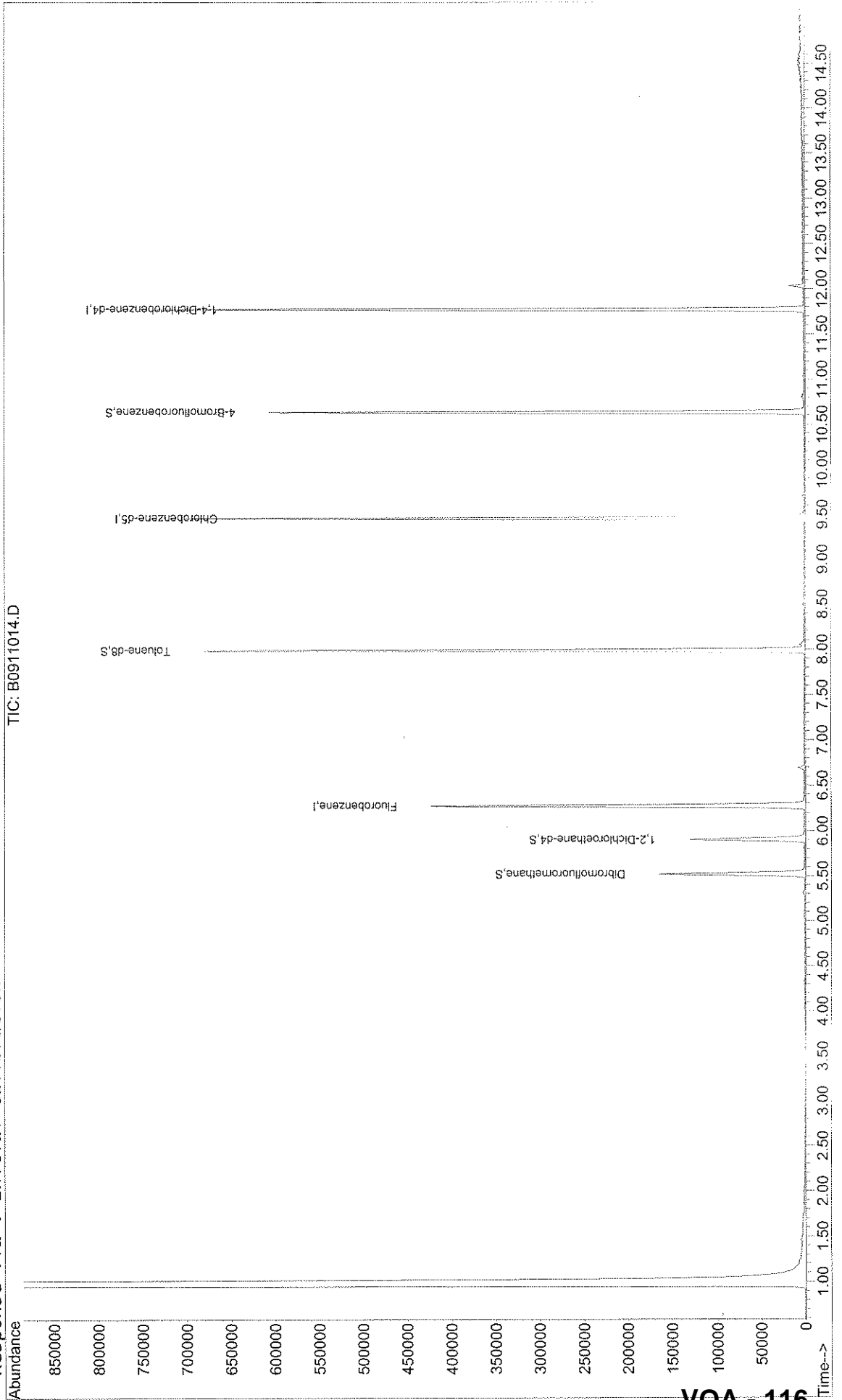
Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911014.D
Acq On : 11 Sep 2006 15:54
Sample : JPL19-011 MW-25-2
Misc : 25ML +IS/SS #2
MS Integration Params: rteint.p
Quant Time: Sep 11 16:20 2006

Vial: 9
Operator: DGA
Inst : Buddha
Multiplr: 1.00

Quant Results File: 826025ML.RES

Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 116

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911014.D
 Acq On : 11 Sep 2006 15:54
 Sample : JPL19-011 MW-25-2
 Misc : 25ML +IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 11 16:20 2006

Vial: 9
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	357760	10.00	ug/l	0.01 76.03%
51) Chlorobenzene-d5	9.45	82	182268	10.00	ug/l	0.00 78.79%
71) 1,4-Dichlorobenzene-d4	11.77	152	187138	10.00	ug/l	0.00 67.36%
System Monitoring Compounds						
32) Dibromofluoromethane	5.52	111	103622	10.49	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.91	65	110352	10.21	ug/l	0.01
52) Toluene-d8	7.99	98	394655	10.24	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	151491	10.74	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	150	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.51	43	80	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	463	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.15	43	71	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.75	77	30	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
27) Propionitrile	0.00	54	0	N.D.		
28) 2-Butanone	4.90	43	42	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	5.10	41	29	N.D.		
31) Chloroform	5.31	83	1915	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	5.46	56	30	N.D.		
35) Carbon Tetrachloride	5.65	117	45	N.D.		
36) Isobutanol	6.03	43	46	Below Cal	#	18
37) 1,1-Dichloropropene	5.77	75	38	N.D.		
39) Benzene	5.92	78	105	N.D.		
40) 1,2-Dichloroethane	5.91	62	42	N.D.		
41) Trichloroethene	6.68	130	967	N.D.		
42) Methylcyclohexane	6.86	83	30	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0911014.D 826025ML.M Mon Sep 11 16:20:14 2006

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911014.D
 Acq On : 11 Sep 2006 15:54
 Sample : JPL19-011 MW-25-2
 Misc : 25ML +IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 11 16:20 2006

Vial: 9
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	0.00	63	0		N.D.	
44) Dibromomethane	7.11	93	33		N.D.	
45) Methyl methacrylate	7.15	41	42		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	d
47) 2-Chloroethyl vinyl ether	7.71	63	34		N.D.	
48) Bromodichloromethane	7.29	83	244		N.D.	
49) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
50) 4-Methyl-2-pentanone	7.94	43	75		N.D.	
53) Toluene	8.05	92	915		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.52	75	52		N.D.	
56) 1,1,2-Trichloroethane	8.41	97	113		N.D.	
57) Tetrachloroethene	8.60	166	40		N.D.	
58) 2-Hexanone	8.78	43	41		N.D.	
59) 1,3-Dichloropropane	8.57	76	29		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	9.07	107	29		N.D.	
62) Chlorobenzene	9.64	112	32		N.D.	
63) 1-Chlorohexane	9.58	91	460		N.D.	
64) Ethylbenzene	9.58	91	460		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-Xylene	9.69	106	586		N.D.	
67) o-xylene	10.09	106	68		N.D.	
68) Styrene	10.12	104	81		N.D.	
69) Bromoform	0.00	173	0		N.D.	
70) Isopropylbenzene	10.47	105	76		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.95	83	32		N.D.	
74) n-Propylbenzene	0.00	120	0		N.D.	
75) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
76) Bromobenzene	10.65	156	52		N.D.	
77) 1,2,3-Trichloropropane	10.64	110	35	Below Cal	#	1
78) 2-Chlorotoluene	10.88	91	76		N.D.	
79) 1,3,5-Trimethylbenzene	11.04	105	67		N.D.	
80) 4-Chlorotoluene	11.04	91	39		N.D.	
81) tert-Butylbenzene	11.35	119	51		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	29		N.D.	
83) sec-butylbenzene	11.57	105	79		N.D.	
84) 4-Isopropyltoluene	11.73	119	162		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.80	146	199		N.D.	
87) n-Butylbenzene	12.13	91	49		N.D.	
88) 1,2-Dichlorobenzene	12.16	146	29		N.D.	
89) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	107		N.D.	
91) Hexachlorobutadiene	13.91	225	43		N.D.	
92) Naphthalene	13.98	128	83		N.D.	
93) 1,2,3-Trichlorobenzene	14.23	180	42		N.D.	

Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911014.D Vial: 9
Acq On : 11 Sep 2006 15:54 Operator: DGA
Sample : JPL19-011 MW-25-2 Inst : Buddha
Misc : 25ML +IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911014.D 826025ML.M Mon Sep 11 16:52:49 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-012
 Lab File ID: B0911015.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 16:26
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-012
 Lab File ID: B0911015.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 16:26
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-25-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-012
 Lab File ID: B0911015.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 16:26
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED)
 % Moisture: not dec.
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-012
 Lab File ID: B0911015.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

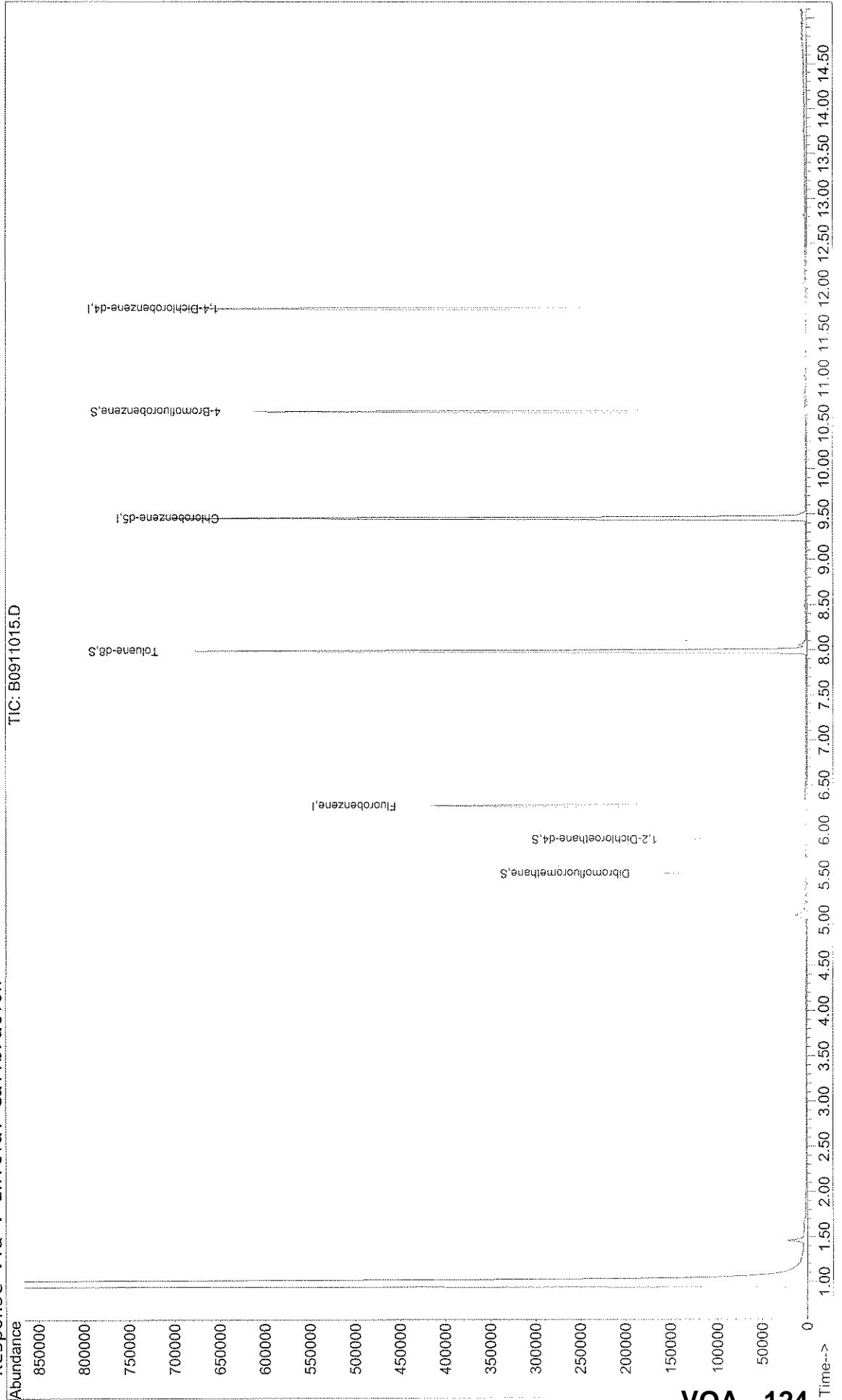
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911015.D
Acq On : 11 Sep 2006 16:26 Vial: 10
Sample : JPL19-012 MW-25-2 Operator: DGA
Misc : 25ML +IS/SS #2 Inst : Buddha
MS Integration Params: rteint.p Multiplr: 1.00
Quant Time: Sep 11 16:42 2006 Quant Results File: 826025ML.RES

Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 124

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911015.D
 Acq On : 11 Sep 2006 16:26
 Sample : JPL19-012 MW-25-2
 Misc : 25ML +IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 11 16:42 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	362090	10.00	ug/l	0.01 76.95%
51) Chlorobenzene-d5	9.45	82	182566	10.00	ug/l	0.00 78.92%
71) 1,4-Dichlorobenzene-d4	11.77	152	182301	10.00	ug/l	0.00 65.62%
System Monitoring Compounds						
32) Dibromofluoromethane	5.52	111	100199	10.02	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.90	65	108994	9.96	ug/l	0.01
52) Toluene-d8	7.99	98	398912	10.33	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	150670	10.97	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	229	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	3.30	96	70	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.10	43	64	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.79	77	33	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
27) Propionitrile	0.00	54	0	N.D.		
28) 2-Butanone	4.93	43	51	N.D.		
29) Bromochloromethane	5.14	128	29	N.D.		
30) Methacrylonitrile	5.22	41	32	N.D.		
31) Chloroform	5.31	83	1011	N.D.		
33) 1,1,1-Trichloroethane	5.47	97	35	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	5.57	117	39	N.D.		
36) Isobutanol	0.00	43	0	N.D.	d	
37) 1,1-Dichloropropene	5.66	75	115	N.D.		
39) Benzene	5.91	78	67	N.D.		
40) 1,2-Dichloroethane	5.92	62	30	N.D.		
41) Trichloroethene	0.00	130	0	N.D.		
42) Methylcyclohexane	6.74	83	32	N.D.		

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911015.D

Vial: 10

Acq On : 11 Sep 2006 16:26

Operator: DGA

Sample : JPL19-012 MW-25-2

Inst : Buddha

Misc : 25ML +IS/SS #2

Multiplr: 1.00

MS Integration Params: rteint.p

Quant Time: Sep 11 16:42 2006

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)

Title : VOA standards for 6 point calibration 8260- 25ML

Last Update : Fri Sep 08 16:52:24 2006

Response via : Initial Calibration

DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	6.88	63	36		N.D.	
44) Dibromomethane	7.25	93	39		N.D.	
45) Methyl methacrylate	7.16	41	30		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	7.28	83	90		N.D.	
49) cis-1,3-Dichloropropene	7.80	75	33		N.D.	
50) 4-Methyl-2-pentanone	7.87	43	68		N.D.	
53) Toluene	8.05	92	801		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	
55) trans-1,3-Dichloropropene	8.29	75	73		N.D.	
56) 1,1,2-Trichloroethane	8.54	97	35		N.D.	
57) Tetrachloroethene	8.61	166	38		N.D.	
58) 2-Hexanone	8.77	43	60		N.D.	
59) 1,3-Dichloropropane	8.70	76	37		N.D.	
60) Dibromochloromethane	8.97	129	42		N.D.	
61) 1,2-Dibromoethane	9.22	107	43		N.D.	
62) Chlorobenzene	9.29	112	32		N.D.	
63) 1-Chlorohexane	9.59	91	486		N.D.	
64) Ethylbenzene	9.59	91	486		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.70	131	30		N.D.	
66) m,p-Xylene	9.70	106	434		N.D.	
67) o-xylene	10.07	106	30		N.D.	
68) Styrene	10.31	104	50		N.D.	
69) Bromoform	0.00	173	0		N.D.	
70) Isopropylbenzene	10.48	105	38		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.67	83	29		N.D.	
74) n-Propylbenzene	10.87	120	36		N.D.	
75) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
76) Bromobenzene	10.65	156	29		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.95	91	37		N.D.	
79) 1,3,5-Trimethylbenzene	10.97	105	102		N.D.	
80) 4-Chlorotoluene	10.87	91	100		N.D.	
81) tert-Butylbenzene	11.35	119	35		N.D.	
82) 1,2,4-Trimethylbenzene	11.42	105	125		N.D.	
83) sec-butylbenzene	11.58	105	39		N.D.	
84) 4-Isopropyltoluene	11.73	119	87		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.80	146	118		N.D.	
87) n-Butylbenzene	12.13	91	129		N.D.	
88) 1,2-Dichlorobenzene	12.16	146	67		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.19	157	40		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	84		N.D.	
91) Hexachlorobutadiene	13.91	225	30		N.D.	
92) Naphthalene	14.04	128	38		N.D.	
93) 1,2,3-Trichlorobenzene	14.22	180	39		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0911015.D 826025ML.M Mon Sep 11 16:42:38 2006

Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911015.D Vial: 10
Acq On : 11 Sep 2006 16:26 Operator: DGA
Sample : JPL19-012 MW-25-2 Inst : Buddha
Misc : 25ML +IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911015.D 826025ML.M Mon Sep 11 16:52:57 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-013
 Lab File ID: B0911016.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 16:54
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-013
 Lab File ID: B0911016.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 16:54
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-013

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911016.D

Level: (LOW/MED) _____

Date Collected: 08/28/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/11/2006 16:54

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED)
 % Moisture: not dec.
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-013
 Lab File ID: B0911016.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

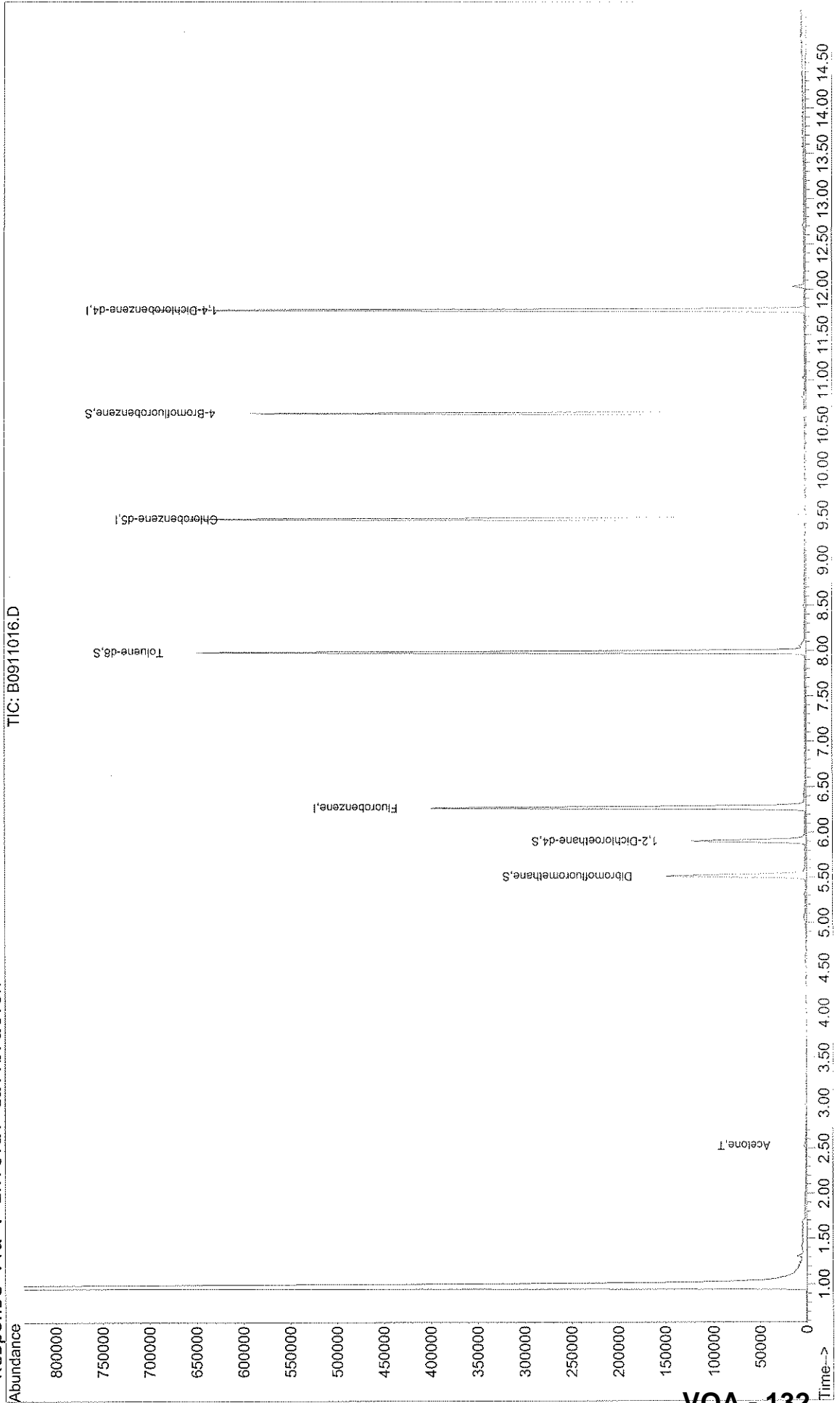
Comments:

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\0911106\B09111016.D
Acq On : 11 Sep 2006 16:54
Sample : JPL19-013 EB-10-8/28/06
Misc : 25ML +IS/SS #3
MS Integration Params: rteint.p
Quant Time: Sep 11 17:10 2006

Vial: 10
Operator: DGA
Inst : Buddha
Multiplr: 1.00
Quant Results File: 826025ML.RES

Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 132

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911016.D
 Acq On : 11 Sep 2006 16:54
 Sample : JPL19-013 EB-10-8/28/06
 Misc : 25ML +IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 11 17:10 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	339936	10.00	ug/l	0.01 72.24%
51) Chlorobenzene-d5	9.45	82	180949	10.00	ug/l	0.00 78.22%
71) 1,4-Dichlorobenzene-d4	11.77	152	177289	10.00	ug/l	0.00 63.81%
System Monitoring Compounds						
32) Dibromofluoromethane	5.52	111	94983	10.12	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.91	65	101974	9.93	ug/l	0.01
52) Toluene-d8	7.99	98	386337	10.10	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	144631	10.82	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	187	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.53	43	4229	5.75	ug/l # ✓	75
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	358	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.06	43	35	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.77	77	51	N.D.		
26) cis-1,2-Dichloroethene	4.88	96	29	N.D.		
27) Propionitrile	4.92	54	33	N.D.		
28) 2-Butanone	4.90	43	86	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	5.29	41	71	N.D.		
31) Chloroform	5.30	83	220	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	5.46	56	80	N.D.		
35) Carbon Tetrachloride	5.57	117	40	N.D.		
36) Isobutanol	0.00	43	0	N.D.	d	
37) 1,1-Dichloropropene	5.65	75	71	N.D.		
39) Benzene	5.91	78	149	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Trichloroethene	6.68	130	39	N.D.		
42) Methylcyclohexane	6.83	83	45	N.D.		

gn 9/11/06

Quantitation Report

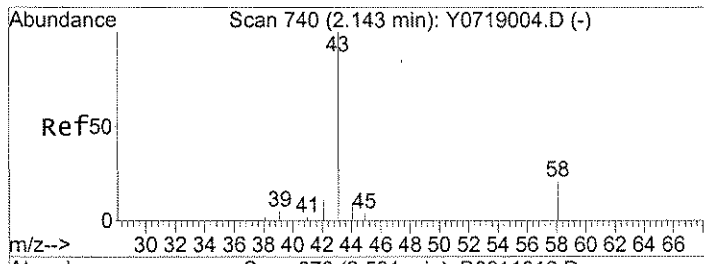
Data File : N:\MSDCHEM\1\DATA\091106\B0911016.D
 Acq On : 11 Sep 2006 16:54
 Sample : JPL19-013 EB-10-8/28/06
 Misc : 25ML +IS/SS #3
 MS Integration Params: rteint.p
 Quant Time: Sep 11 17:10 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

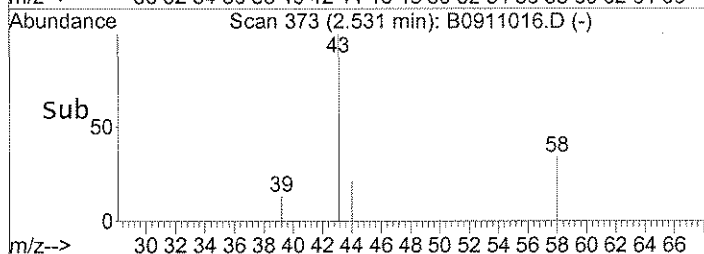
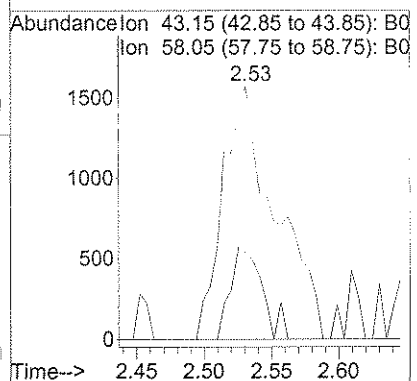
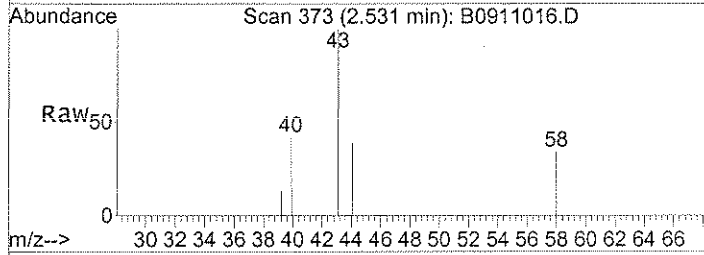
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	6.88	63	29		N.D.	
44) Dibromomethane	6.96	93	35		N.D.	
45) Methyl methacrylate	7.20	41	70		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	7.28	83	39		N.D.	
49) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
50) 4-Methyl-2-pentanone	7.90	43	77		N.D.	
53) Toluene	8.04	92	63		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.46	75	36		N.D.	
56) 1,1,2-Trichloroethane	8.55	97	40		N.D.	
57) Tetrachloroethene	8.59	166	33		N.D.	
58) 2-Hexanone	8.75	43	45		N.D.	
59) 1,3-Dichloropropane	8.66	76	45		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	9.03	107	34		N.D.	
62) Chlorobenzene	9.49	112	48		N.D.	
63) 1-Chlorohexane	9.59	91	257		N.D.	
64) Ethylbenzene	9.59	91	257		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-xylene	9.70	106	369		N.D.	
67) o-xylene	10.10	106	33		N.D.	
68) Styrene	10.19	104	30		N.D.	
69) Bromoform	10.52	173	34		N.D.	
70) Isopropylbenzene	10.46	105	41		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.67	83	31		N.D.	
74) n-Propylbenzene	10.86	120	30		N.D.	
75) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
76) Bromobenzene	10.79	156	38		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.98	91	34		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	36		N.D.	
80) 4-Chlorotoluene	11.02	91	36		N.D.	
81) tert-Butylbenzene	11.36	119	76		N.D.	
82) 1,2,4-Trimethylbenzene	11.42	105	77		N.D.	
83) sec-butylbenzene	11.59	105	47		N.D.	
84) 4-Isopropyltoluene	11.72	119	69		N.D.	
85) 1,3-Dichlorobenzene	11.77	111	1910		N.D.	
86) 1,4-Dichlorobenzene	11.79	146	550		N.D.	
87) n-Butylbenzene	12.12	91	107		N.D.	
88) 1,2-Dichlorobenzene	12.15	146	30		N.D.	
89) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	29		N.D.	
91) Hexachlorobutadiene	13.90	225	30		N.D.	
92) Naphthalene	14.00	128	380		N.D.	
93) 1,2,3-Trichlorobenzene	14.25	180	80		N.D.	



#11
 Acetone
 Concen: 5.75 ug/l
 RT: 2.53 min Scan# 373
 Delta R.T. 0.03 min
 Lab File: B0911016.D
 Acq: 11 Sep 2006 16:54

Tgt Ion	Resp	Lower	Upper
43	100		
58	22.0	29.2	43.8#



Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911016.D Vial: 10
Acq On : 11 Sep 2006 16:54 Operator: DGA
Sample : JPL19-013 EB-10-8/28/06 Inst : Buddha
Misc : 25ML +IS/SS #3 Multiplier: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911016.D 826025ML.M Mon Sep 11 17:10:29 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-014
 Lab File ID: B0911017.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 17:23
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-014
 Lab File ID: B0911017.D
 Date Collected: 08/28/2006
 Date/Time Analyzed: 09/11/2006 17:23
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-014

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911017.D

Level: (LOW/MED) _____

Date Collected: 08/28/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/11/2006 17:23

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-014

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911017.D

Level: (LOW/MED) _____

Date Collected: 08/29/2006

% Moisture: not dec. _____

Date Analyzed: 09/11/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

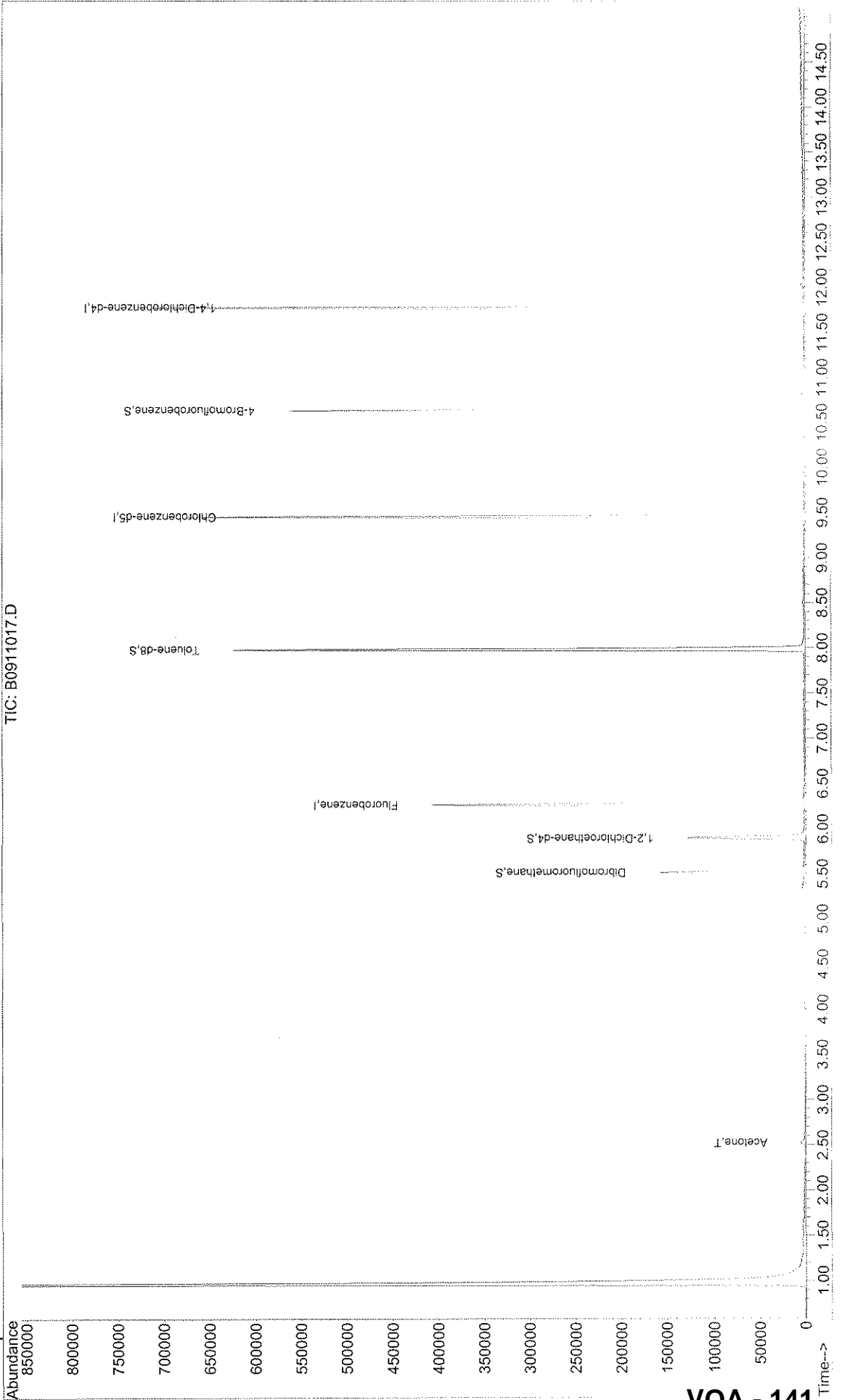
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911017.D
Acq On : 11 Sep 2006 17:23 Vial: 11
Sample : JPL19-014 TB-10-8/28/06 Operator: DGA
Misc : 25ML +IS/SS #1 Inst : Buddha
MS Integration Params: rteint.p Multiplr: 1.00
Quant Time: Sep 12 11:40 2006 Quant Results File: 826025ML.RES

Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 141

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911017.D
 Acq On : 11 Sep 2006 17:23
 Sample : JPL19-014 TB-10-8/28/06
 Misc : 25ML +IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 12 11:40 2006

Vial: 11
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	345735	10.00	ug/l	0.00 73.48%
51) Chlorobenzene-d5	9.45	82	178506	10.00	ug/l	0.00 77.16%
71) 1,4-Dichlorobenzene-d4	11.77	152	174444	10.00	ug/l	0.00 62.79%
System Monitoring Compounds						
32) Dibromofluoromethane	5.52	111	99612	10.43	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	111051	10.63	ug/l	0.01
52) Toluene-d8	7.99	98	383612	10.16	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	145967	11.10	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.52	43	7917	10.59	ug/l	# 80
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	929	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	4.05	53	31	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	4.94	96	30	N.D.		
27) Propionitrile	5.05	54	42	N.D.		
28) 2-Butanone	0.00	43	0	N.D.	d	
29) Bromochloromethane	5.14	128	32	N.D.		
30) Methacrylonitrile	5.14	41	66	N.D.		
31) Chloroform	5.30	83	89	N.D.		
33) 1,1,1-Trichloroethane	5.35	97	30	N.D.		
34) Cyclohexane	5.58	56	30	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Isobutanol	0.00	43	0	N.D.	d	
37) 1,1-Dichloropropene	5.67	75	356	N.D.		
39) Benzene	5.90	78	48	N.D.		
40) 1,2-Dichloroethane	5.97	62	34	N.D.		
41) Trichloroethene	6.72	130	30	N.D.		
42) Methylcyclohexane	6.85	83	29	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0911017.D 826025ML.M Tue Sep 12 11:52:56 2006

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911017.D

Vial: 11

Acq On : 11 Sep 2006 17:23

Operator: DGA

Sample : JPL19-014 TB-10-8/28/06

Inst : Buddha

Misc : 25ML +IS/SS #1

Multiplier: 1.00

MS Integration Params: rteint.p

Quant Results File: 826025ML.RES

Quant Time: Sep 12 11:40 2006

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)

Title : VOA Standards for 6 point calibration 8260- 25ML

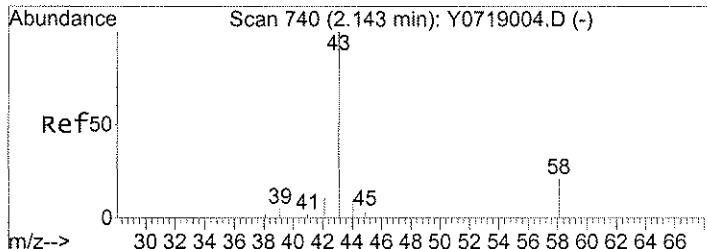
Last Update : Fri Sep 08 16:52:24 2006

Response via : Initial Calibration

DataAcq Meth : 8260

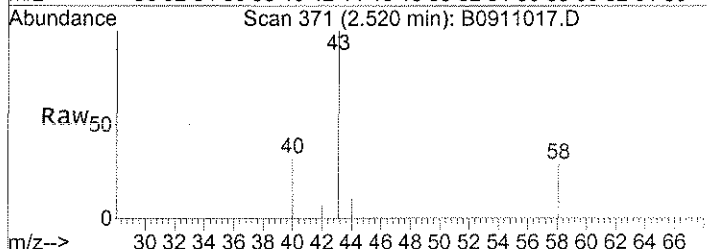
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	7.11	63	40		N.D.	
44) Dibromomethane	7.16	93	29		N.D.	
45) Methyl methacrylate	7.13	41	36		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	d
47) 2-Chloroethyl vinyl ether	7.71	63	45		N.D.	
48) Bromodichloromethane	7.37	83	37		N.D.	
49) cis-1,3-Dichloropropene	7.75	75	59		N.D.	
50) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
53) Toluene	8.05	92	205		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.30	75	33		N.D.	
56) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
57) Tetrachloroethene	8.80	166	34		N.D.	
58) 2-Hexanone	8.79	43	47		N.D.	
59) 1,3-Dichloropropane	8.90	76	31		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	0.00	107	0		N.D.	
62) Chlorobenzene	0.00	112	0		N.D.	
63) 1-Chlorohexane	9.61	91	31		N.D.	
64) Ethylbenzene	9.61	91	31		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.73	131	43		N.D.	
66) m,p-Xylene	9.69	106	64		N.D.	
67) o-xylene	0.00	106	0		N.D.	
68) Styrene	10.12	104	44		N.D.	
69) Bromoform	10.33	173	90		N.D.	
70) Isopropylbenzene	10.34	105	36		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.64	83	46		N.D.	
74) n-Propylbenzene	10.97	120	29		N.D.	
75) trans-1,4-Dichloro-2-buten	10.59	53	58		N.D.	
76) Bromobenzene	10.77	156	29		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.88	91	43		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	73		N.D.	
80) 4-Chlorotoluene	10.88	91	43		N.D.	
81) tert-Butylbenzene	11.34	119	59		N.D.	
82) 1,2,4-Trimethylbenzene	11.42	105	30		N.D.	
83) sec-butylbenzene	11.58	105	35		N.D.	
84) 4-Isopropyltoluene	11.73	119	139		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.79	146	164		N.D.	
87) n-Butylbenzene	12.14	91	105		N.D.	
88) 1,2-Dichlorobenzene	12.17	146	35		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.73	157	42		N.D.	
90) 1,2,4-Trichlorobenzene	13.41	180	41		N.D.	
91) Hexachlorobutadiene	13.91	225	30		N.D.	
92) Naphthalene	14.05	128	40		N.D.	
93) 1,2,3-Trichlorobenzene	14.23	180	36		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0911017.D 826025ML.M Tue Sep 12 11:52:56 2006

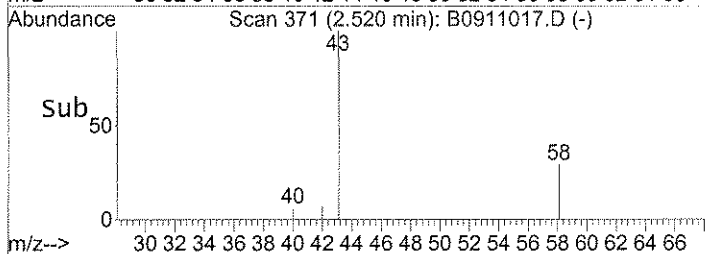
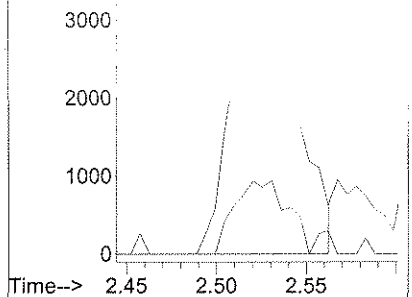


#11
 Acetone
 Concen: 10.59 ug/l
 RT: 2.52 min Scan# 371
 Delta R.T. 0.02 min
 Lab File: B0911017.D
 Acq: 11 Sep 2006 17:23

Tgt Ion	Resp	Ion	Ratio	Lower	Upper
43	7917	43	100		
58		58	24.5	29.2	43.8#



Abundance Ion 43.15 (42.85 to 43.85): B0
 Ion 58.05 (57.75 to 58.75): B0
 2.52



Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911017.D Vial: 11
Acq On : 11 Sep 2006 17:23 Operator: DGA
Sample : JPL19-014 TB-10-8/28/06 Inst : Buddha
Misc : 25ML +IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911017.D 826025ML.M Tue Sep 12 11:41:05 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-26-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-015
 Lab File ID: B0911018.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 17:53
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-26-2

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-015

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911018.D

Level: (LOW/MED) _____

Date Collected: 08/29/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/11/2006 17:53

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-26-2

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-015
 Lab File ID: B0911018.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 17:53
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-26-2

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-015

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911018.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date Analyzed: 09/11/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

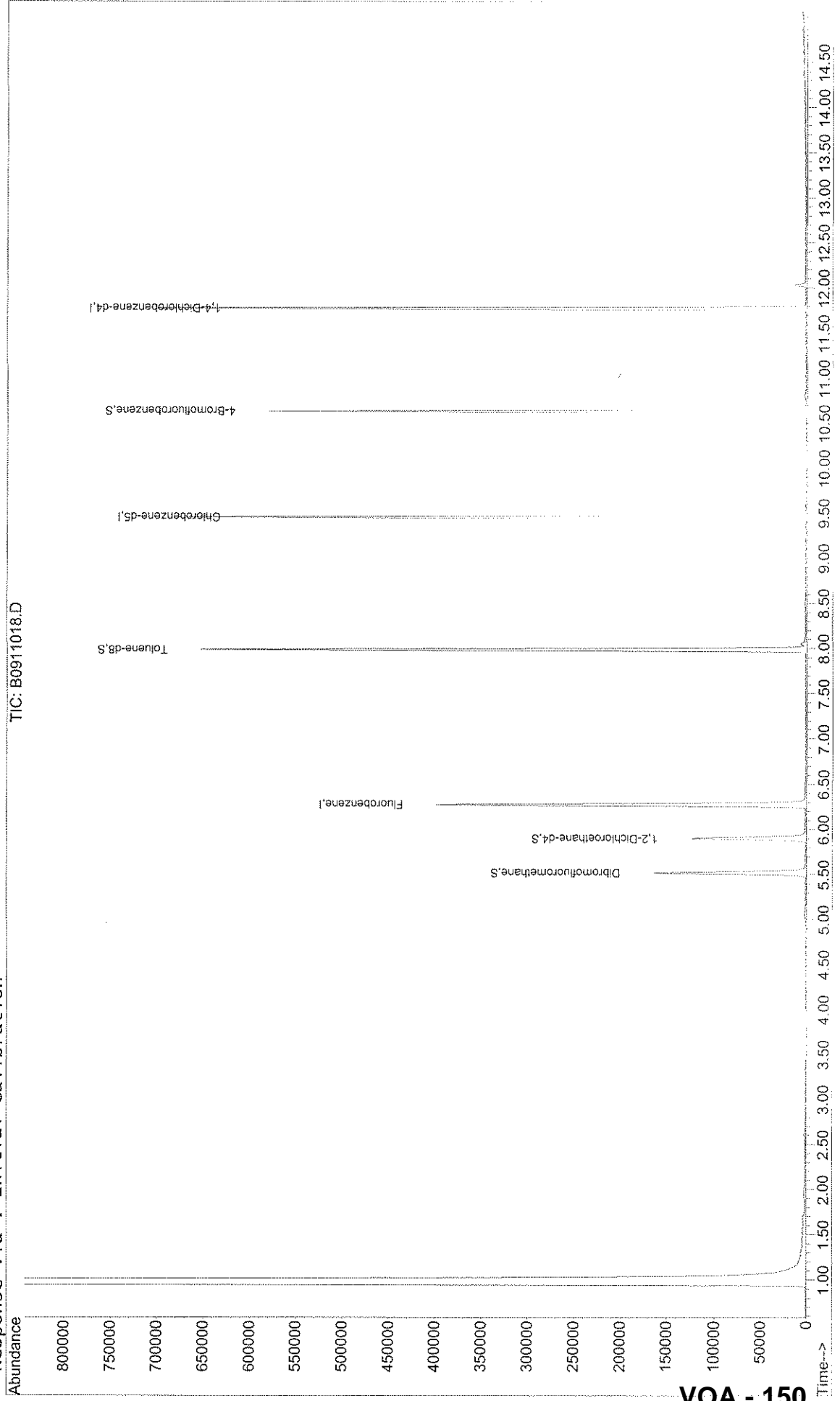
CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911018.D
Acq On : 11 Sep 2006 17:53
Sample : JPL19-015 MW-26-2
Misc : 25ML +IS/SS #2
MS Integration Params: rteint.p
Quant Time: Sep 12 11:41 2006
Vial: 12
Operator: DGA
Inst : Buddha
Multiplr: 1.00
Quant Results File: 826025ML.RES
Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 150

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911018.D
 Acq On : 11 Sep 2006 17:53
 Sample : JPL19-015 MW-26-2
 Misc : 25ML +IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 12 11:41 2006

Vial: 12
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	340504	10.00	ug/l	0.01 72.36%
51) Chlorobenzene-d5	9.45	82	177956	10.00	ug/l	0.00 76.93%
71) 1,4-Dichlorobenzene-d4	11.77	152	175069	10.00	ug/l	0.00 63.02%
System Monitoring Compounds						
32) Dibromofluoromethane	5.52	111	101010	10.74	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	106086	10.31	ug/l	0.01
52) Toluene-d8	7.98	98	382704	10.17	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	143768	10.90	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	174	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	1177	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	2.93	43	67	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.10	43	38	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		
27) Propionitrile	4.98	54	34	N.D.		
28) 2-Butanone	4.91	43	42	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	5.21	41	30	N.D.		
31) Chloroform	5.32	83	199	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	5.48	56	33	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Isobutanol	6.02	43	71	Below Cal	#	78
37) 1,1-Dichloropropene	5.67	75	29	N.D.		
39) Benzene	5.90	78	67	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Trichloroethene	0.00	130	0	N.D.		
42) Methylcyclohexane	0.00	83	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0911018.D 826025ML.M Tue Sep 12 11:41:53 2006

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911018.D
 Acq On : 11 Sep 2006 17:53
 Sample : JPL19-015 MW-26-2
 Misc : 25ML +IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 12 11:41 2006

Vial: 12
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	7.00	63	39		N.D.	
44) Dibromomethane	6.98	93	36		N.D.	
45) Methyl methacrylate	7.11	41	70		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	0.00	83	0		N.D.	
49) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
50) 4-Methyl-2-pentanone	7.92	43	113		N.D.	
53) Toluene	8.05	92	587		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	0.00	75	0		N.D.	
56) 1,1,2-Trichloroethane	8.53	97	29		N.D.	
57) Tetrachloroethene	8.72	166	44		N.D.	
58) 2-Hexanone	8.82	43	40		N.D.	
59) 1,3-Dichloropropane	8.81	76	30		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	0.00	107	0		N.D.	
62) Chlorobenzene	9.46	112	42		N.D.	
63) 1-Chlorohexane	9.58	91	168		N.D.	
64) Ethylbenzene	9.58	91	168		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-xylene	9.57	106	39		N.D.	
67) o-xylene	10.11	106	221		N.D.	
68) Styrene	10.01	104	33		N.D.	
69) Bromoform	10.52	173	31		N.D.	
70) Isopropylbenzene	10.46	105	34		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.70	83	30		N.D.	
74) n-Propylbenzene	10.86	120	47		N.D.	
75) trans-1,4-Dichloro-2-buten	10.55	53	31		N.D.	
76) Bromobenzene	10.77	156	48		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
78) 2-Chlorotoluene	10.96	91	31		N.D.	
79) 1,3,5-Trimethylbenzene	11.03	105	33		N.D.	
80) 4-Chlorotoluene	11.06	91	43		N.D.	
81) tert-Butylbenzene	11.36	119	30		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	120		N.D.	
83) sec-butylbenzene	11.57	105	33		N.D.	
84) 4-Isopropyltoluene	11.72	119	32		N.D.	
85) 1,3-Dichlorobenzene	11.75	111	86		N.D.	
86) 1,4-Dichlorobenzene	11.80	146	97		N.D.	
87) n-Butylbenzene	12.13	91	93		N.D.	
88) 1,2-Dichlorobenzene	12.15	146	31		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.94	157	35		N.D.	
90) 1,2,4-Trichlorobenzene	13.79	180	33		N.D.	
91) Hexachlorobutadiene	13.97	225	44		N.D.	
92) Naphthalene	13.99	128	35		N.D.	
93) 1,2,3-Trichlorobenzene	14.01	180	42		N.D.	

Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911018.D Vial: 12
Acq On : 11 Sep 2006 17:53 Operator: DGA
Sample : JPL19-015 MW-26-2 Inst : Buddha
Misc : 25ML +IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911018.D 826025ML.M Tue Sep 12 11:42:01 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-26-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-016
 Lab File ID: B0911019.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 18:22
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-26-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-016
 Lab File ID: B0911019.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 18:22
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-26-1

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-016
 Lab File ID: B0911019.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 18:22
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-26-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-016

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911019.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date Analyzed: 09/11/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

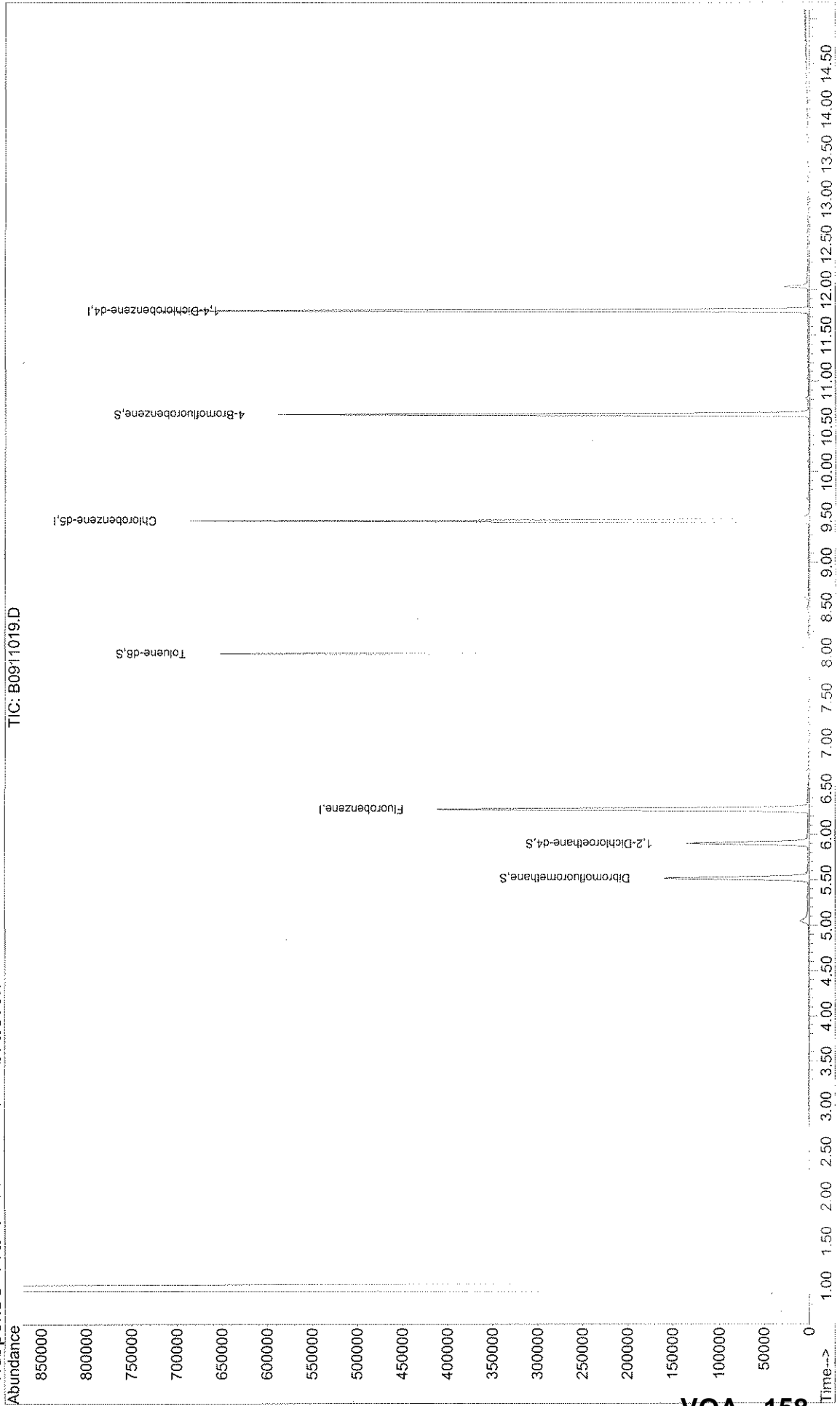
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911019.D
Acq On : 11 Sep 2006 18:22 Vial: 13
Sample : JPL19-016 MW-26-1 Operator: DGA
Misc : 25ML +IS/SS #4 Inst : Buddha
MS Integration Params: rteint.p Multiplr: 1.00
Quant Time: Sep 12 11:42 2006 Quant Results File: 826025ML.RES

Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 158

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911019.D
 Acq On : 11 Sep 2006 18:22
 Sample : JPL19-016 MW-26-1
 Misc : 25ML +IS/SS #4
 MS Integration Params: rteint.p
 Quant Time: Sep 12 11:42 2006

Vial: 13
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	351446	10.00	ug/l	0.01 74.69%
51) Chlorobenzene-d5	9.45	82	178391	10.00	ug/l	0.00 77.11%
71) 1,4-Dichlorobenzene-d4	11.77	152	176306	10.00	ug/l	0.00 63.46%
System Monitoring Compounds						
32) Dibromofluoromethane	5.51	111	100194	10.32	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	112077	10.55	ug/l	0.00
52) Toluene-d8	7.98	98	391413	10.38	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	146833	11.05	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D. d		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	371	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D. d		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	3.00	84	168	Below Cal	#	78
19) Methyl tert-butyl ether	3.33	73	65	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.10	43	32	N.D.		
23) 1,1-Dichloroethane	3.96	63	412	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.75	77	69	N.D.		
26) cis-1,2-Dichloroethene	4.85	96	158	N.D.		
27) Propionitrile	0.00	54	0	N.D.		
28) 2-Butanone	4.91	43	77	N.D.		
29) Bromochloromethane	5.08	128	36	N.D.		
30) Methacrylonitrile	5.18	41	30	N.D.		
31) Chloroform	5.34	83	72	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Isobutanol	6.08	43	38	Below Cal	#	77
37) 1,1-Dichloropropene	5.66	75	191	N.D.		
39) Benzene	5.91	78	74	N.D.		
40) 1,2-Dichloroethane	6.01	62	34	N.D.		
41) Trichloroethene	6.69	130	558	N.D.		
42) Methylcyclohexane	6.84	83	32	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0911019.D 826025ML.M Tue Sep 12 11:42:44 2006

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911019.D
 Acq On : 11 Sep 2006 18:22
 Sample : JPL19-016 MW-26-1
 Misc : 25ML +IS/SS #4
 MS Integration Params: rteint.p
 Quant Time: Sep 12 11:42 2006

Vial: 13
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	6.92	63	62		N.D.	
44) Dibromomethane	7.22	93	39		N.D.	
45) Methyl methacrylate	7.15	41	29		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	7.51	63	30		N.D.	
48) Bromodichloromethane	7.36	83	33		N.D.	
49) cis-1,3-Dichloropropene	7.73	75	38		N.D.	
50) 4-Methyl-2-pentanone	7.93	43	72		N.D.	
53) Toluene	8.06	92	1345		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.30	75	41		N.D.	
56) 1,1,2-Trichloroethane	8.48	97	45		N.D.	
57) Tetrachloroethene	8.61	166	1293		N.D.	
58) 2-Hexanone	8.79	43	32		N.D.	
59) 1,3-Dichloropropane	8.69	76	32		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	8.93	107	34		N.D.	
62) Chlorobenzene	9.48	112	40		N.D.	
63) 1-Chlorohexane	9.59	91	427		N.D.	
64) Ethylbenzene	9.59	91	427		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-Xylene	9.70	106	447		N.D.	
67) o-xylene	10.12	106	29		N.D.	
68) Styrene	10.11	104	178		N.D.	
69) Bromoform	10.34	173	33		N.D.	
70) Isopropylbenzene	10.62	105	249		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.80	83	38		N.D.	
74) n-Propylbenzene	10.86	120	29		N.D.	
75) trans-1,4-Dichloro-2-buten	10.35	53	79		N.D.	
76) Bromobenzene	10.63	156	38		N.D.	
77) 1,2,3-Trichloropropane	10.63	110	36	Below Cal	#	1
78) 2-Chlorotoluene	10.91	91	35		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	34		N.D.	
80) 4-Chlorotoluene	11.16	91	37		N.D.	
81) tert-Butylbenzene	11.41	119	32		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	115		N.D.	
83) sec-butylbenzene	11.59	105	44		N.D.	
84) 4-Isopropyltoluene	11.72	119	38		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.78	146	167		N.D.	
87) n-Butylbenzene	12.13	91	45		N.D.	
88) 1,2-Dichlorobenzene	12.37	146	42		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.17	157	34		N.D.	
90) 1,2,4-Trichlorobenzene	13.74	180	34		N.D.	
91) Hexachlorobutadiene	13.92	225	39		N.D.	
92) Naphthalene	14.00	128	37		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	65		N.D.	

Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911019.D Vial: 13
Acq On : 11 Sep 2006 18:22 Operator: DGA
Sample : JPL19-016 MW-26-1 Inst : Buddha
Misc : 25ML +IS/SS #4 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911019.D 826025ML.M Tue Sep 12 11:42:50 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-017
 Lab File ID: B0911020.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 18:52
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-017
 Lab File ID: B0911020.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 18:52
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-017
 Lab File ID: B0911020.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 18:52
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-017
 Lab File ID: B0911020.D
 Date Collected: 08/30/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

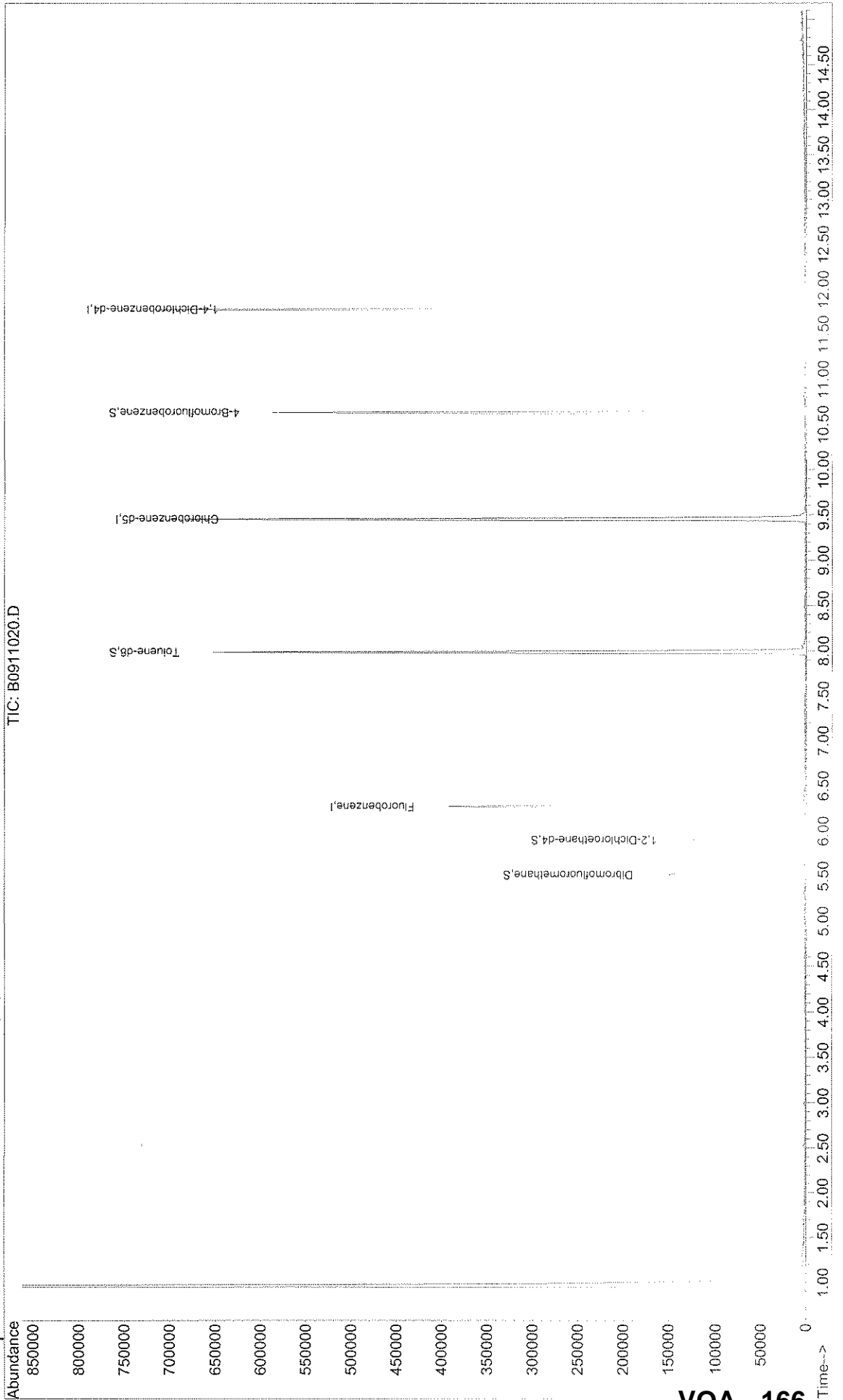
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911020.D
Acq On : 11 Sep 2006 18:52 Vial: 14
Sample : JPL19-017 EB-11-8/29/06 Operator: DGA
Misc : 25ML +IS/SS #1 Inst : Buddha
MS Integration Params: rteint.p Multiplr: 1.00
Quant Time: Sep 12 11:43 2006 Quant Results File: 826025ML.RES

Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 166

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911020.D
 Acq On : 11 Sep 2006 18:52
 Sample : JPL19-017 EB-11-8/29/06
 Misc : 25ML +IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 12 11:43 2006

Vial: 14
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	340350	10.00	ug/l	0.00 72.33%
51) Chlorobenzene-d5	9.45	82	175019	10.00	ug/l	0.00 75.66%
71) 1,4-Dichlorobenzene-d4	11.77	152	173352	10.00	ug/l	0.00 62.40%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	97557	10.38	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	108077	10.51	ug/l	0.00
52) Toluene-d8	7.99	98	382108	10.33	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	143354	10.97	ug/l	0.00

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue #
2) Dichlorodifluoromethane	1.10	85	63	Below Cal		54
3) Chloromethane	1.24	50	266	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	635	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.99	84	1028	Below Cal		90
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.03	43	31	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	4.86	96	34	N.D.		
27) Propionitrile	5.03	54	30	N.D.		
28) 2-Butanone	4.90	43	34	N.D.		
29) Bromochloromethane	0.00	128	0	N.D.		
30) Methacrylonitrile	5.13	41	31	N.D.		
31) Chloroform	5.30	83	322	N.D.		
33) 1,1,1-Trichloroethane	5.51	97	39	N.D.		
34) Cyclohexane	5.47	56	36	N.D.		
35) Carbon Tetrachloride	5.75	117	32	N.D.		
36) Isobutanol	6.07	43	52	Below Cal	#	97
37) 1,1-Dichloropropene	5.74	75	46	N.D.		
39) Benzene	5.91	78	142	N.D.		
40) 1,2-Dichloroethane	5.99	62	37	N.D.		
41) Trichloroethene	6.70	130	44	N.D.		
42) Methylcyclohexane	6.89	83	44	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0911020.D 826025ML.M Tue Sep 12 11:44:05 2006

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911020.D
 Acq On : 11 Sep 2006 18:52
 Sample : JPL19-017 EB-11-8/29/06
 Misc : 25ML +IS/SS #1
 MS Integration Params: rteint.p
 Quant Time: Sep 12 11:43 2006

Vial: 14
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	6.94	63	39		N.D.	
44) Dibromomethane	6.93	93	32		N.D.	
45) Methyl methacrylate	7.05	41	30		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	7.29	83	66		N.D.	
49) cis-1,3-Dichloropropene	7.57	75	31		N.D.	
50) 4-Methyl-2-pentanone	7.91	43	50		N.D.	
53) Toluene	8.04	92	263		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.48	75	38		N.D.	
56) 1,1,2-Trichloroethane	8.52	97	35		N.D.	
57) Tetrachloroethene	0.00	166	0		N.D.	
58) 2-Hexanone	8.76	43	109		N.D.	
59) 1,3-Dichloropropane	8.46	76	31		N.D.	
60) Dibromochloromethane	8.92	129	32		N.D.	
61) 1,2-Dibromoethane	8.78	107	32		N.D.	
62) Chlorobenzene	9.70	112	30		N.D.	
63) 1-Chlorohexane	9.59	91	36		N.D.	
64) Ethylbenzene	9.58	91	35		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.51	131	38		N.D.	
66) m,p-Xylene	9.70	106	266		N.D.	
67) o-xylene	9.89	106	31		N.D.	
68) Styrene	10.02	104	32		N.D.	
69) Bromoform	10.33	173	70		N.D.	
70) Isopropylbenzene	10.39	105	30		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.73	83	38		N.D.	
74) n-Propylbenzene	10.64	120	29		N.D.	
75) trans-1,4-Dichloro-2-buten	10.63	53	29		N.D.	
76) Bromobenzene	10.63	156	170		N.D.	
77) 1,2,3-Trichloropropane	10.68	110	37	Below Cal	#	29
78) 2-Chlorotoluene	10.95	91	46		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	62		N.D.	
80) 4-Chlorotoluene	10.95	91	46		N.D.	
81) tert-Butylbenzene	11.38	119	30		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	80		N.D.	
83) sec-butylbenzene	11.59	105	48		N.D.	
84) 4-Isopropyltoluene	11.73	119	53		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.79	146	253		N.D.	
87) n-Butylbenzene	12.14	91	99		N.D.	
88) 1,2-Dichlorobenzene	12.16	146	30		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.95	157	48		N.D.	
90) 1,2,4-Trichlorobenzene	13.45	180	39		N.D.	
91) Hexachlorobutadiene	13.90	225	40		N.D.	
92) Naphthalene	13.98	128	36		N.D.	
93) 1,2,3-Trichlorobenzene	14.25	180	49		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0911020.D 826025ML.M Tue Sep 12 11:44:05 2006

Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911020.D Vial: 14
Acq On : 11 Sep 2006 18:52 Operator: DGA
Sample : JPL19-017 EB-11-8/29/06 Inst : Buddha
Misc : 25ML +IS/SS #1 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911020.D 826025ML.M Tue Sep 12 11:44:12 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-018
 Lab File ID: B0911021.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 19:21
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL19
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-018
 Lab File ID: B0911021.D
 Date Collected: 08/29/2006
 Date/Time Analyzed: 09/11/2006 19:21
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL19-018

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911021.D

Level: (LOW/MED) _____

Date Collected: 08/29/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/11/2006 19:21

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-018

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911021.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date Analyzed: 09/11/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

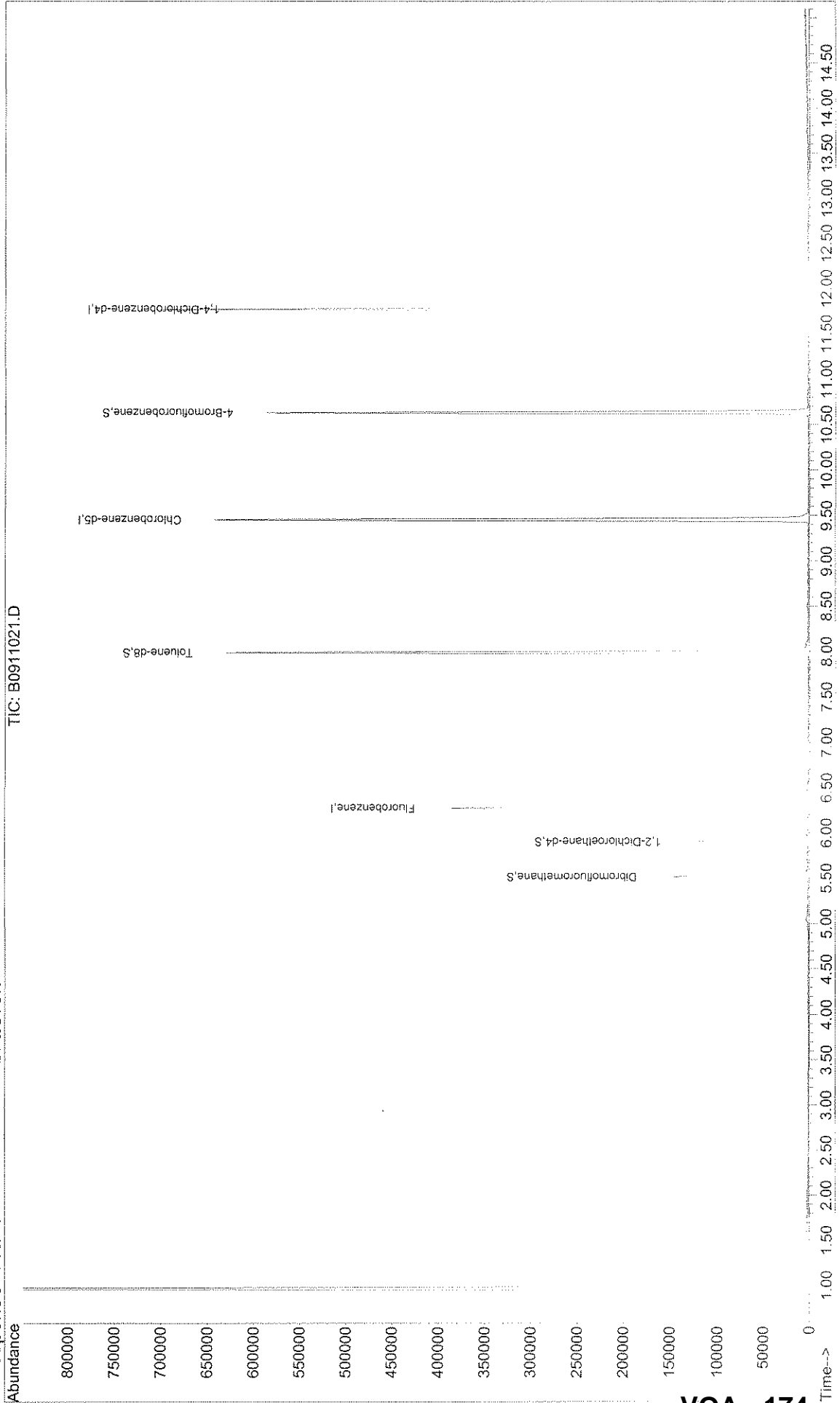
CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911021.D
Acq On : 11 Sep 2006 19:21 Vial: 15
Sample : JPL19-018 TB-11-8/29/06 Operator: DGA
Misc : 25ML +IS/SS #2 Inst : Buddha
MS Integration Params: rteint.p Multiplr: 1.00
Quant Time: Sep 12 11:45 2006 Quant Results File: 826025ML.RES



VOA - 174

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911021.D Vial: 15
 Acq On : 11 Sep 2006 19:21 Operator: DGA
 Sample : JPL19-018 TB-11-8/29/06 Inst : Buddha
 Misc : 25ML +IS/SS #2 Multiplr: 1.00
 MS Integration Params: rteint.p
 Quant Time: Sep 12 11:45 2006

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	6.27	96	333459	10.00	ug/l	0.01	70.87%
51) Chlorobenzene-d5	9.45	82	175405	10.00	ug/l	0.00	75.82%
71) 1,4-Dichlorobenzene-d4	11.77	152	174881	10.00	ug/l	0.00	62.95%
System Monitoring Compounds							
32) Dibromofluoromethane	5.51	111	91745	9.96	ug/l	0.00	
38) 1,2-Dichloroethane-d4	5.90	65	106834	10.60	ug/l	0.01	
52) Toluene-d8	7.98	98	373538	10.07	ug/l	0.00	
72) 4-Bromofluorobenzene	10.63	95	142355	10.80	ug/l	0.00	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	896	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.10	43	43	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	4.09	53	36	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	4.90	96	31	N.D.		
27) Propionitrile	0.00	54	0	N.D.		
28) 2-Butanone	0.00	43	0	N.D.	d	
29) Bromochloromethane	5.04	128	30	N.D.		
30) Methacrylonitrile	5.20	41	29	N.D.		
31) Chloroform	5.31	83	98	N.D.		
33) 1,1,1-Trichloroethane	5.39	97	39	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Isobutanol	6.02	43	46	Below Cal	#	18
37) 1,1-Dichloropropene	5.60	75	35	N.D.		
39) Benzene	5.93	78	131	N.D.		
40) 1,2-Dichloroethane	6.00	62	30	N.D.		
41) Trichloroethene	6.67	130	29	N.D.		
42) Methylcyclohexane	0.00	83	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0911021.D 826025ML.M Tue Sep 12 11:45:24 2006

Quantitation Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911021.D
 Acq On : 11 Sep 2006 19:21
 Sample : JPL19-018 TB-11-8/29/06
 Misc : 25ML +IS/SS #2
 MS Integration Params: rteint.p
 Quant Time: Sep 12 11:45 2006

Vial: 15
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) 1,2-Dichloropropane	7.03	63	39		N.D.	
44) Dibromomethane	7.13	93	41		N.D.	
45) Methyl methacrylate	7.14	41	42		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	7.58	63	29		N.D.	
48) Bromodichloromethane	7.18	83	35		N.D.	
49) cis-1,3-Dichloropropene	7.84	75	30		N.D.	
50) 4-Methyl-2-pentanone	7.98	43	714		N.D.	
53) Toluene	8.05	92	184		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	
55) trans-1,3-Dichloropropene	8.38	75	35		N.D.	
56) 1,1,2-Trichloroethane	8.42	97	42		N.D.	
57) Tetrachloroethene	0.00	166	0		N.D.	
58) 2-Hexanone	8.83	43	32		N.D.	
59) 1,3-Dichloropropane	8.67	76	46		N.D.	
60) Dibromochloromethane	9.00	129	33		N.D.	
61) 1,2-Dibromoethane	8.83	107	34		N.D.	
62) Chlorobenzene	0.00	112	0		N.D.	
63) 1-Chlorohexane	9.59	91	35		N.D.	
64) Ethylbenzene	9.59	91	35		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.69	131	33		N.D.	
66) m,p-Xylene	9.70	106	39		N.D.	
67) o-xylene	10.17	106	45		N.D.	
68) Styrene	10.12	104	37		N.D.	
69) Bromoform	10.33	173	37		N.D.	
70) Isopropylbenzene	10.44	105	30		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.82	83	61		N.D.	
74) n-Propylbenzene	10.63	120	39		N.D.	
75) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
76) Bromobenzene	10.83	156	40		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
78) 2-Chlorotoluene	10.87	91	32		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	35		N.D.	
80) 4-Chlorotoluene	10.87	91	32		N.D.	
81) tert-Butylbenzene	0.00	119	0		N.D.	
82) 1,2,4-Trimethylbenzene	11.40	105	54		N.D.	
83) sec-butylbenzene	11.58	105	42		N.D.	
84) 4-Isopropyltoluene	11.77	119	165		N.D.	
85) 1,3-Dichlorobenzene	11.76	111	1056		N.D.	
86) 1,4-Dichlorobenzene	11.79	146	222		N.D.	
87) n-Butylbenzene	12.14	91	42		N.D.	
88) 1,2-Dichlorobenzene	0.00	146	0		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.07	157	33		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	52		N.D.	
91) Hexachlorobutadiene	13.91	225	131		N.D.	
92) Naphthalene	13.99	128	48		N.D.	
93) 1,2,3-Trichlorobenzene	14.00	180	32		N.D.	

Library Search Compound Report

Data File : N:\MSDCHEM\1\DATA\091106\B0911021.D Vial: 15
Acq On : 11 Sep 2006 19:21 Operator: DGA
Sample : JPL19-018 TB-11-8/29/06 Inst : Buddha
Misc : 25ML +IS/SS #2 Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : N:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0911021.D 826025ML.M Tue Sep 12 11:45:31 2006

Miscellaneous Inorganic Data

JPL19

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE


Lab Name: LAUCKS TESTING LABS, INC.

Lab Code: LAUCKS

SDG No.: JPL19

Client Identification	Lab Sample Work Order Number
MW-23-3	JPL19-002DL
MW-23-2	JPL19-003DL
MW-23-1	JPL19-004DL
DUPE-2-3Q06	JPL19-005DL
EB-9-8/25/06	JPL19-006DL
MW-25-5	JPL19-008DL
MW-25-4	JPL19-009DL
MW-25-3	JPL19-010DL
MW-25-2	JPL19-011DL
MW-25-1	JPL19-012DL
MW-25-1MS	JPL19-012MS
MW-25-1MSD	JPL19-012MSD
EB-10-8/28/06	JPL19-013
MW-26-2	JPL19-015DL
MW-26-1	JPL19-016DL
MW-26-1MS	JPL19-016MS
MW-26-1MSD	JPL19-016MSD
EB-11-8/29/06	JPL19-017

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Jennifer Penner

Date: 9-21-06

Title: Inorganics Lead

Inorganic Analysis Data Sheets

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: MW-23-3 Date/Time Collected: 08/25/2006 08:16
Lab Sample ID: JPL19-002 Date/Time Received: 08/29/2006 08:45
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: MW-23-2 **Date/Time Collected:** 08/25/2006 08:47
Lab Sample ID: JPL19-003 **Date/Time Received:** 08/29/2006 08:45
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	5.6		4.0	2.2	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: MW-23-1 **Date/Time Collected:** 08/25/2006 09:40
Lab Sample ID: JPL19-004 **Date/Time Received:** 08/29/2006 08:45
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: DUPE-2-3Q06 **Date/Time Collected:** 08/25/2006 00:00
Lab Sample ID: JPL19-005 **Date/Time Received:** 08/29/2006 08:45
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	5.1		4.0	2.2	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: EB-9-8/25/06 **Date/Time Collected:** 08/25/2006 09:30
Lab Sample ID: JPL19-006 **Date/Time Received:** 08/29/2006 08:45
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: MW-25-5 **Date/Time Collected:** 08/28/2006 08:05
Lab Sample ID: JPL19-008 **Date/Time Received:** 08/29/2006 08:45
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: MW-25-4 **Date/Time Collected:** 08/28/2006 08:37
Lab Sample ID: JPL19-009 **Date/Time Received:** 08/29/2006 08:45
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	7.6		4.0	2.2	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: MW-25-3 **Date/Time Collected:** 08/28/2006 09:06
Lab Sample ID: JPL19-010 **Date/Time Received:** 08/29/2006 08:45
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	13		4.0	2.2	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: MW-25-2 Date/Time Collected: 08/28/2006 09:34
Lab Sample ID: JPL19-011 Date/Time Received: 08/29/2006 08:45
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	16		4.0	2.2	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: MW-25-1 **Date/Time Collected:** 08/28/2006 10:10
Lab Sample ID: JPL19-012 **Date/Time Received:** 08/29/2006 08:45
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	8.7		4.0	2.2	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: EB-10-8/28/06 **Date/Time Collected:** 08/28/2006 09:55
Lab Sample ID: JPL19-013 **Date/Time Received:** 08/29/2006 08:45
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.54	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: MW-26-2 **Date/Time Collected:** 08/29/2006 07:56
Lab Sample ID: JPL19-015 **Date/Time Received:** 08/30/2006 08:57
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0	U	2.0	1.1	09/19/2006	09/20/2006	R010647

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL19
Sample Number: EB-11-8/29/06 **Date/Time Collected:** 08/29/2006 08:10
Lab Sample ID: JPL19-017 **Date/Time Received:** 08/30/2006 08:57
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0	U	1.0	0.54	09/19/2006	09/20/2006	R010647

Metals Data

JPL19

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

SOW No.: _____

<u>Sample No.</u>	<u>Lab Sample ID</u>
<u>MW-23-4</u>	<u>JPL19-001</u>
<u>MW-23-3</u>	<u>JPL19-002</u>
<u>MW-23-2</u>	<u>JPL19-003</u>
<u>MW-23-1</u>	<u>JPL19-004</u>
<u>DUPE-2-3Q06</u>	<u>JPL19-005</u>
<u>EB-9-8/25/06</u>	<u>JPL19-006</u>
<u>MW-25-5</u>	<u>JPL19-008</u>
<u>MW-25-4</u>	<u>JPL19-009</u>
<u>MW-25-3</u>	<u>JPL19-010</u>
<u>MW-25-2</u>	<u>JPL19-011</u>
<u>MW-25-1</u>	<u>JPL19-012</u>
<u>MW-25-1MS</u>	<u>JPL19-012MS</u>
<u>MW-25-1MSD</u>	<u>JPL19-012MSD</u>
<u>EB-10-8/28/06</u>	<u>JPL19-013</u>
<u>MW-26-2</u>	<u>JPL19-015</u>
<u>MW-26-1</u>	<u>JPL19-016</u>
<u>MW-26-1MS</u>	<u>JPL19-016MS</u>
<u>MW-26-1MSD</u>	<u>JPL19-016MSD</u>
<u>EB-11-8/29/06</u>	<u>JPL19-017</u>

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No NO

If yes-was raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is technically complete, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Jennifer R. Ancona Name: Jennifer R. Ancona
 Date: 9/15/06 Title: Chemist

Metals Analysis Data Sheets

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-23-4

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-001

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.00				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-23-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-002

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	4.85				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-23-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-003

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.94				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-23-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-004

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.38				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

DUPE-2-3Q06

Lab Name: Laucks LaboratoriesContract: JPL Groundwater MonitorinLab Code: LAUCKSSDG No.: JPL19Matrix (soil/water): WaterLab Sample ID: JPL19-005Level (low/med): LOWDate Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.99				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____Color After: Colorless Clarity After: Clear Artifacts: NoComment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-9-8/25/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-006

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.97				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-25-5

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-008

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.67				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-25-4

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-009

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.08				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-25-3

Lab Name: Laucks LaboratoriesContract: JPL Groundwater MonitorinLab Code: LAUCKSSDG No.: JPL19Matrix (soil/water): WaterLab Sample ID: JPL19-010Level (low/med): LOWDate Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	4.46				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____Color After: Colorless Clarity After: Clear Artifacts: NoComment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-25-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-011

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.45				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-25-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-012

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.67				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-10-8/28/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-013

Level (low/med): LOW

Date Received: 08/29/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.70				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-26-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-015

Level (low/med): LOW

Date Received: 08/30/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.73				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-26-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-016

Level (low/med): LOW

Date Received: 08/30/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	1.97				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-11-8/29/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL19

Matrix (soil/water): Water

Lab Sample ID: JPL19-017

Level (low/med): LOW

Date Received: 08/30/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.44				R010488

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-23-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-002
 Lab File ID: Y0907026.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/07/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-23-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-003
 Lab File ID: Y0907027.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/07/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-23-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010295

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-004

Sample wt/vol: 5.00 (g/mL) mL

Lab File ID: Y0907028.D

Level: (LOW/MED) _____

Date Collected: 08/29/2006

% Moisture: not dec. _____

Date Analyzed: 09/07/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DUPE-2-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-005
 Lab File ID: Y0907029.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/07/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED)
 % Moisture: not dec.
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-006
 Lab File ID: Y0907017.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/07/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-9-8/25/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 5.00 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010295
 Lab Sample ID: JPL19-007
 Lab File ID: Y0907016.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/07/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-5

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-008

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911010.D

Level: (LOW/MED) _____

Date Collected: 08/29/2006

% Moisture: not dec. _____

Date Analyzed: 09/11/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-4

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-009
 Lab File ID: B0911012.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-3

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-010
 Lab File ID: B0911013.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-011
 Lab File ID: B0911014.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-25-1

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED)
 % Moisture: not dec.
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-012
 Lab File ID: B0911015.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-013

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911016.D

Level: (LOW/MED) _____

Date Collected: 08/29/2006

% Moisture: not dec. _____

Date Analyzed: 09/11/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-10-8/28/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-014
 Lab File ID: B0911017.D
 Date Collected: 08/29/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-26-2

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-015
 Lab File ID: B0911018.D
 Date Collected: 08/30/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-26-1

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-016

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911019.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date Analyzed: 09/11/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

EB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL19
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: DB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010395
 Lab Sample ID: JPL19-017
 Lab File ID: B0911020.D
 Date Collected: 08/30/2006
 Date Analyzed: 09/11/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-11-8/29/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL19

Run Sequence: R010395

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL19-018

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0911021.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date Analyzed: 09/11/2006

GC Column: DB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

SAMPLE DATA

SDG JPL20

VOLATILES ANALYSIS

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-13

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-001
 Lab File ID: B0912007.D
 Date Collected: 08/30/2006
 Date/Time Analyzed: 09/12/2006 13:43
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	4.6	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	1.5	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	11	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.39	J
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.43	J

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-13

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-001
 Lab File ID: B0912007.D
 Date Collected: 08/30/2006
 Date/Time Analyzed: 09/12/2006 13:43
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.37	J
127-18-4	Tetrachloroethene	0.37	J
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-13

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-001
 Lab File ID: B0912007.D
 Date Collected: 08/30/2006
 Date/Time Analyzed: 09/12/2006 13:43
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-13

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL20-001

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912007.D

Level: (LOW/MED) _____

Date Collected: 08/31/2006

% Moisture: not dec. _____

Date Analyzed: 09/12/2006

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

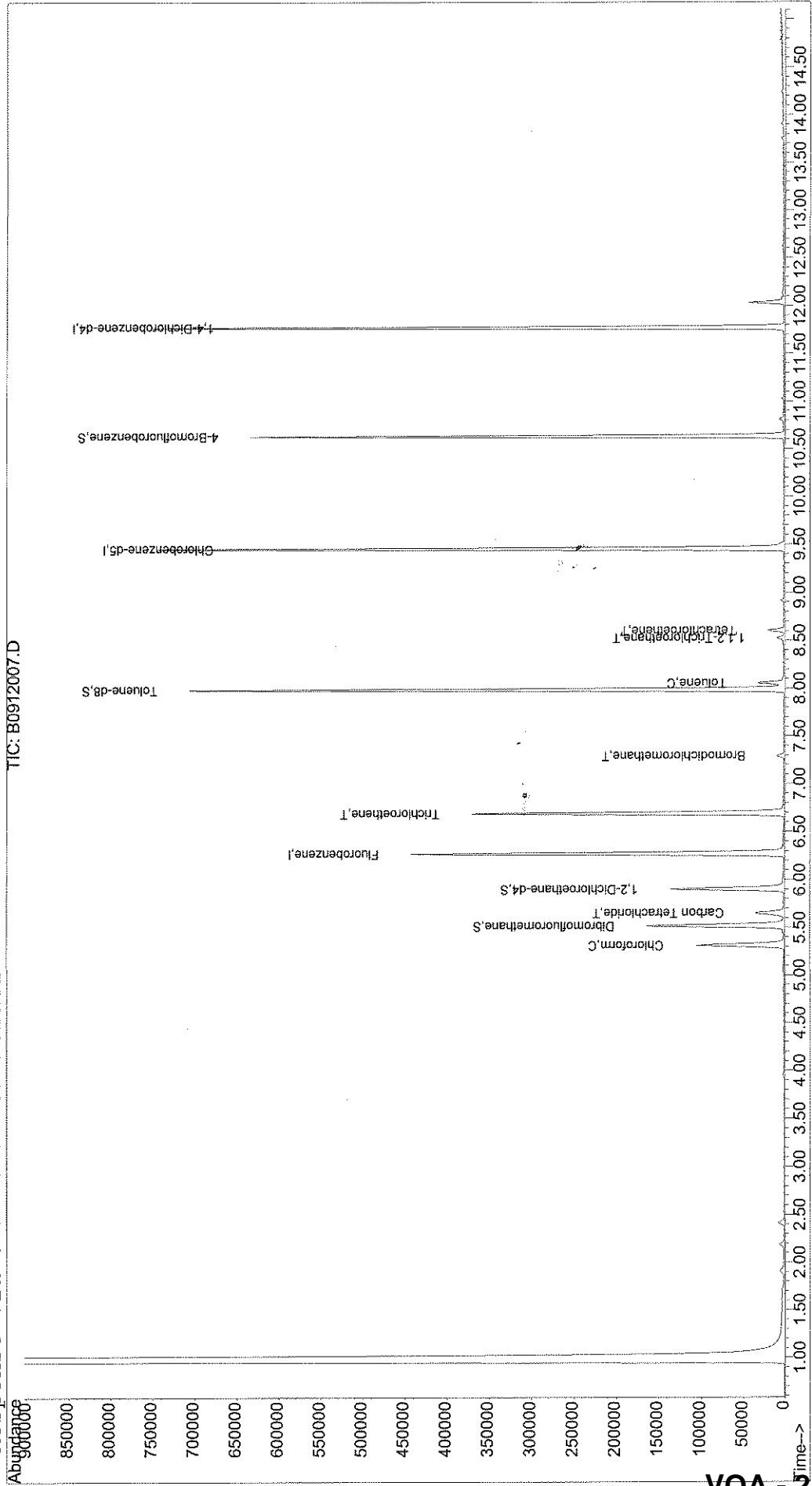
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912007.D Vial: 5
Acq On : 12 Sep 2006 13:43 Operator: DGA
Sample : JPL20-001 MW-13 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 8:52 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912007.D
 Acq On : 12 Sep 2006 13:43
 Sample : JPL20-001 MW-13
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:52 2006

Vial: 5
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	6.27	96	369147	10.00	ug/l	0.01 78.45%
51) Chlorobenzene-d5	9.45	82	195586	10.00	ug/l	0.00 84.55%
71) 1,4-Dichlorobenzene-d4	11.77	152	188757	10.00	ug/l	0.00 67.94%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	105468	10.35	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.91	65	114399	10.25	ug/l	0.01
52) Toluene-d8	7.99	98	414191	10.02	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	158774	11.16	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	69	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	1.90	101	4593	Below Cal	#	93
8) 1,1-Dichloroethene	2.39	96	1768	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	2.43	101	1795	N.D.		
11) Acetone	2.48	43	97	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	66	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	3.34	73	212	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.11	43	37	N.D.		
23) 1,1-Dichloroethane	3.96	63	2390	N.D.		
24) Chloroprene	4.09	53	29	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	4.82	96	55	N.D.		

Below Cal # 93
 J 09/12/06

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912007.D
 Acq On : 12 Sep 2006 13:43
 Sample : JPL20-001 MW-13
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:52 2006

Vial: 5
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
27) Propionitrile	4.96	54	35	N.D.	
28) 2-Butanone	4.90	43	51	N.D.	
29) Bromochloromethane	5.17	128	30	N.D.	
30) Methacrylonitrile	5.15	41	31	N.D.	
31) Chloroform	5.31	83	90236	4.57 ug/l ✓	91
33) 1,1,1-Trichloroethane	5.45	97	1239	N.D.	
34) Cyclohexane	5.41	56	37	N.D.	
35) Carbon Tetrachloride	5.66	117	23980mg	1.45 ug/l ✓	29
36) Isobutanol	6.03	43	66	Below Cal #	84
37) 1,1-Dichloropropene	5.66	75	33	N.D.	
39) Benzene	5.90	78	78	N.D.	
40) 1,2-Dichloroethane	6.00	62	297	N.D.	
41) Trichloroethene	6.69	130	125339	10.76 ug/l ✓	92
42) Methylcyclohexane	6.69	83	1879	N.D.	
43) 1,2-Dichloropropane	0.00	63	0	N.D.	
44) Dibromomethane	7.10	93	39	N.D.	
45) Methyl methacrylate	7.22	41	32	N.D.	
46) 1,4-Dioxane	0.00	88	0	N.D. d	
47) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.	
48) Bromodichloromethane	7.29	83	5408	0.39 ug/l ✓	91
49) cis-1,3-Dichloropropene	7.68	75	33	N.D.	
50) 4-Methyl-2-pentanone	7.93	43	81	N.D.	
53) Toluene	8.06	92	11643	0.43 ug/l ✓	93
54) Ethyl methacrylate	0.00	69	0	N.D. d	
55) trans-1,3-Dichloropropene	8.37	75	32	N.D.	
56) 1,1,2-Trichloroethane	8.52	97	2276	0.37 ug/l # ✓	59
57) Tetrachloroethene	8.60	166	5753	0.37 ug/l # ✓	82
58) 2-Hexanone	8.76	43	64	N.D.	
59) 1,3-Dichloropropane	8.71	76	31	N.D.	
60) Dibromochloromethane	8.92	129	1045	N.D.	
61) 1,2-Dibromoethane	0.00	107	0	N.D.	
62) Chlorobenzene	9.49	112	93	N.D.	
63) 1-Chlorohexane	9.59	91	147	N.D.	
64) Ethylbenzene	9.59	91	147	N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
66) m,p-Xylene	9.70	106	87	N.D.	
67) o-xylene	10.10	106	54	N.D.	
68) Styrene	10.13	104	69	N.D.	
69) Bromoform	10.33	173	95	N.D.	
70) Isopropylbenzene	10.46	105	132	N.D.	
73) 1,1,2,2-Tetrachloroethane	10.80	83	38	N.D.	

(#) = qualifier out of range (m) = manual integration
 B0912007.D 826025ML.M Tue Sep 19 08:52:59 2006

[Handwritten Signature]
 Page 2
 VOA - 26

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912007.D
 Acq On : 12 Sep 2006 13:43
 Sample : JPL20-001 MW-13
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:52 2006

Vial: 5
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.87	120	49		N.D.	
75) trans-1,4-Dichloro-2-buten	10.60	53	36		N.D.	
76) Bromobenzene	10.77	156	53		N.D.	
77) 1,2,3-Trichloropropane	10.83	110	32		Below Cal #	42
78) 2-Chlorotoluene	10.95	91	108		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	227		N.D.	
80) 4-Chlorotoluene	11.07	91	352		N.D.	
81) tert-Butylbenzene	11.35	119	29		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	138		N.D.	
83) sec-butylbenzene	11.57	105	125		N.D.	
84) 4-Isopropyltoluene	11.72	119	275		N.D.	
85) 1,3-Dichlorobenzene	11.76	111	1249		N.D.	
86) 1,4-Dichlorobenzene	11.79	146	460		N.D.	
87) n-Butylbenzene	12.14	91	850		N.D.	
88) 1,2-Dichlorobenzene	12.16	146	91		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.05	157	30		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	423		N.D.	
91) Hexachlorobutadiene	13.90	225	522		N.D.	
92) Naphthalene	13.99	128	162		N.D.	
93) 1,2,3-Trichlorobenzene	14.25	180	281		N.D.	

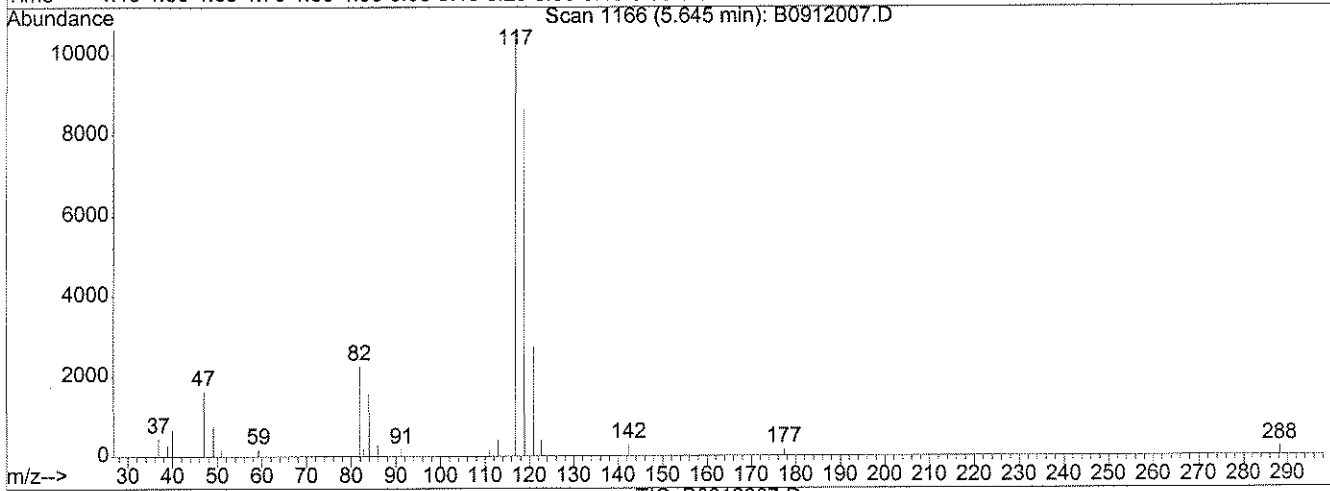
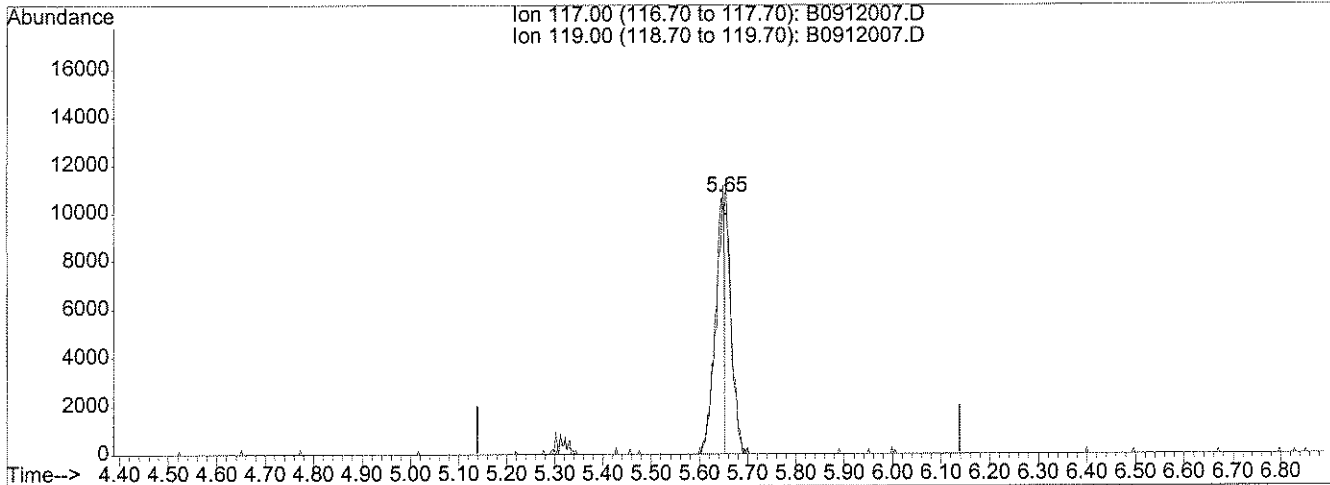
Quantitation Report (Qedit)

Data File : T:\MSDCHEM\1\DATA\091206\B0912007.D
 Acq On : 12 Sep 2006 13:43
 Sample : JPL20-001 MW-13
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:52 2006

Vial: 5
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: temp.res

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Multiple Level Calibration



(35) Carbon Tetrachloride (T)

5.65min 0.85ug/l

response 14072

Ion	Exp%	Act%
117.00	100	100
119.00	96.70	165.94#
0.00	0.00	0.00
0.00	0.00	0.00

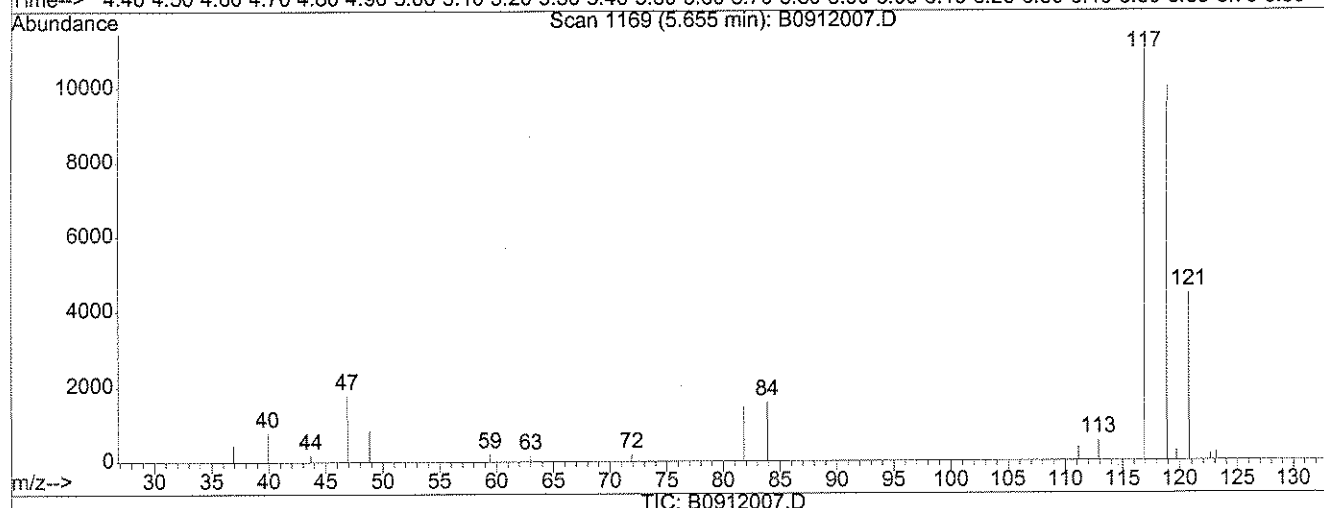
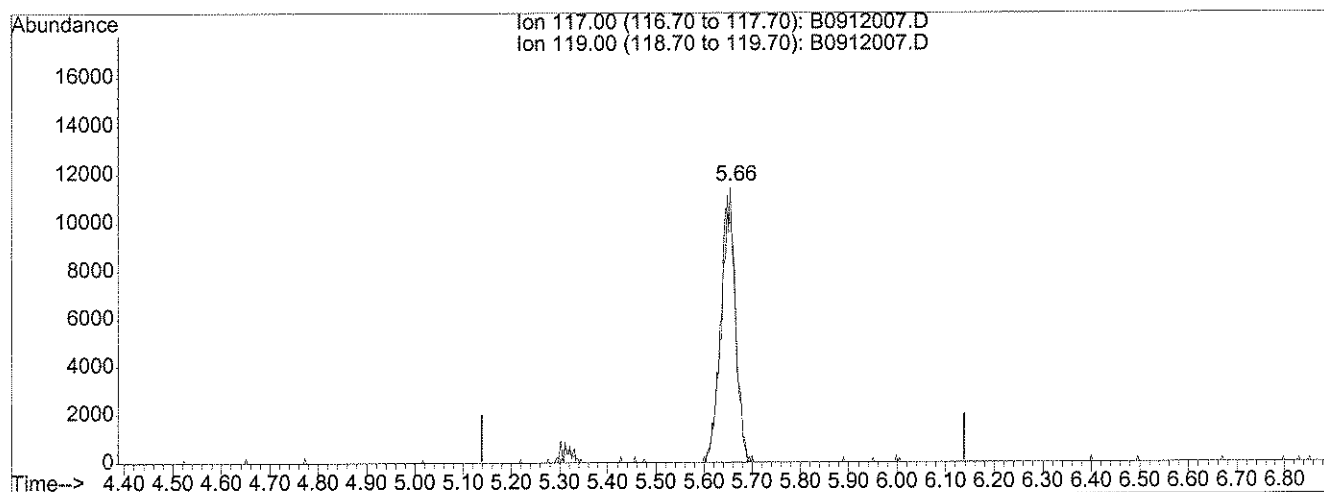
Quantitation Report (Qedit)

Data File : T:\MSDCHEM\1\DATA\091206\B0912007.D
 Acq On : 12 Sep 2006 13:43
 Sample : JPL20-001 MW-13
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:52 2006

Vial: 5
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: temp.res

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Multiple Level Calibration

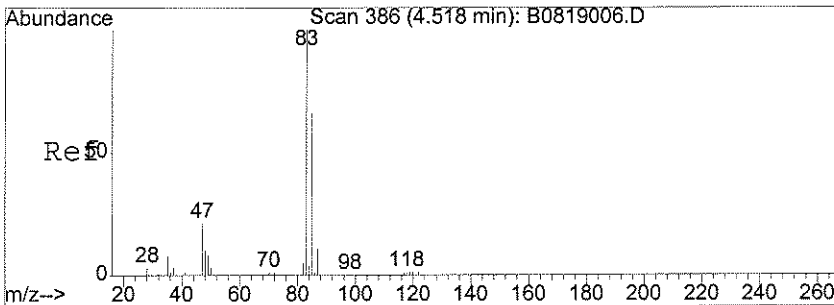


(35) Carbon Tetrachloride (T)

5.66min 1.45ug/l m

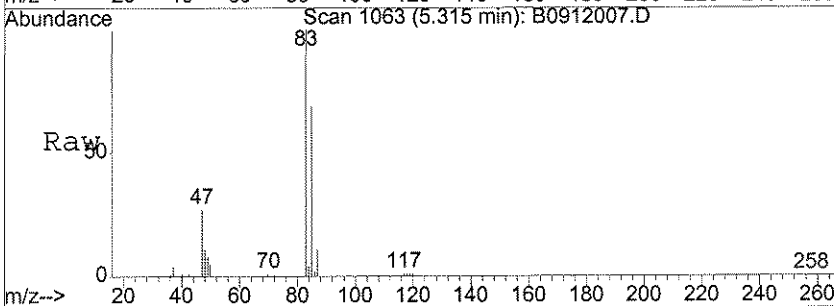
response 23980

Ion	Exp%	Act%
117.00	100	100
119.00	96.70	97.38
0.00	0.00	0.00
0.00	0.00	0.00

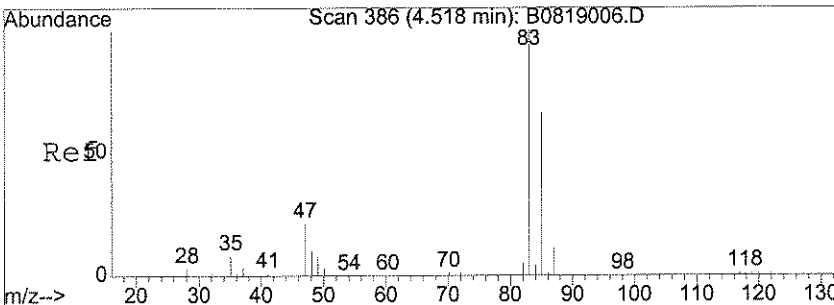
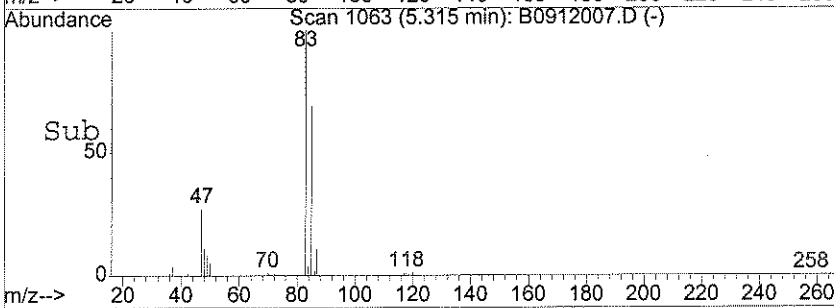
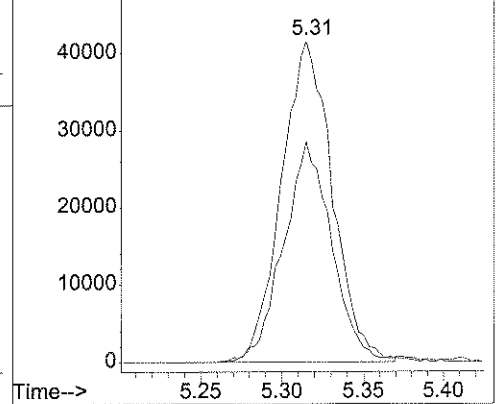


#31
 Chloroform
 Concen: 4.57 ug/l
 RT: 5.31 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: B0912007.D
 Acq: 12 Sep 2006 13:43

Tgt Ion: 83 Resp: 90236
 Ion Ratio Lower Upper
 83 100
 85 65.2 38.2 78.2

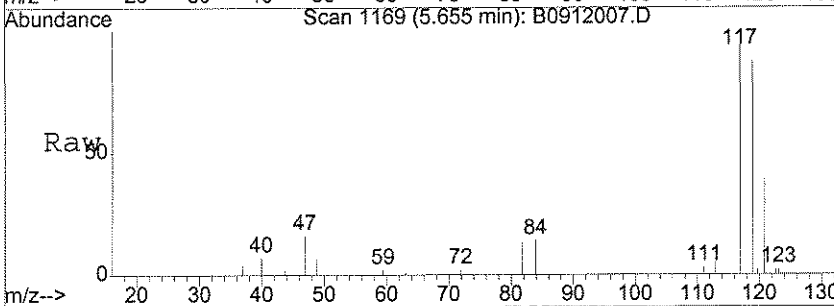


Abundance Ion 83.00 (82.70 to 83.70): B0912007.D
 Ion 85.00 (84.70 to 85.70): B0912007.D

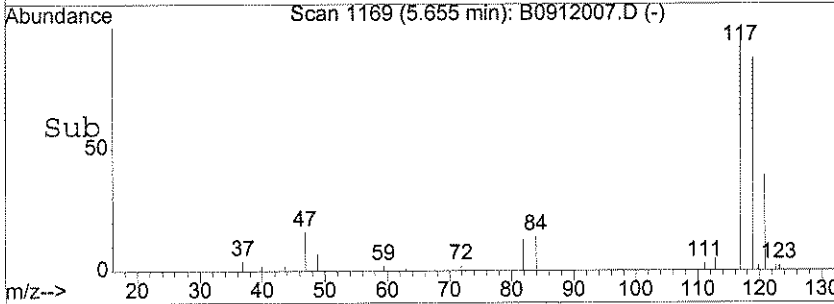
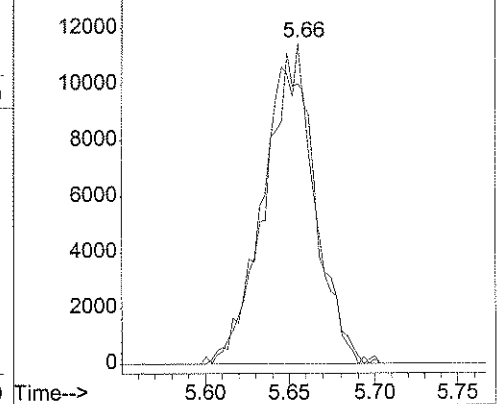


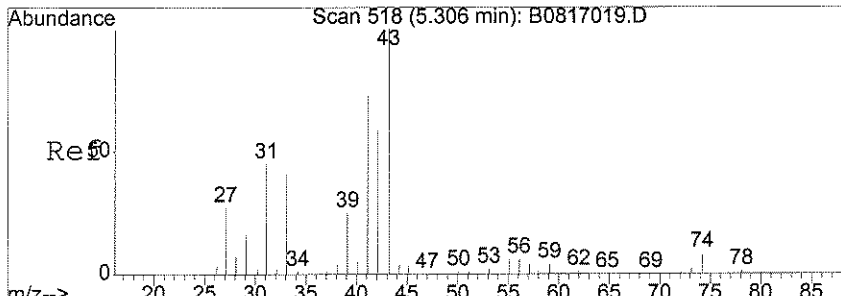
#35
 Carbon Tetrachloride
 Concen: 1.45 ug/l m
 RT: 5.66 min Scan# 1169
 Delta R.T. 0.02 min
 Lab File: B0912007.D
 Acq: 12 Sep 2006 13:43

Tgt Ion: 117 Resp: 23980
 Ion Ratio Lower Upper
 117 100
 119 97.4 76.7 116.7



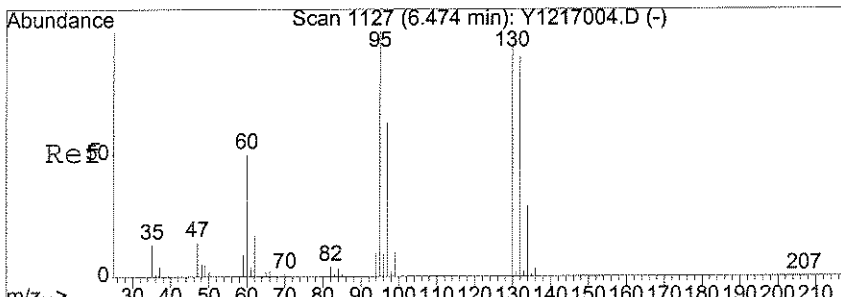
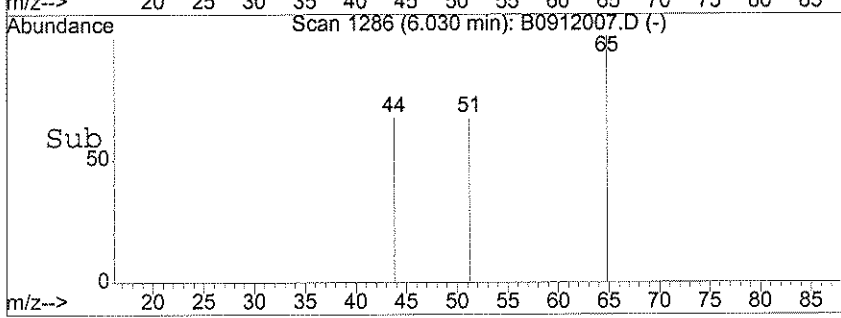
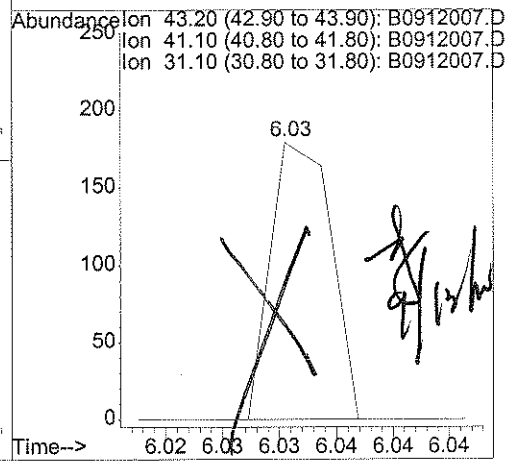
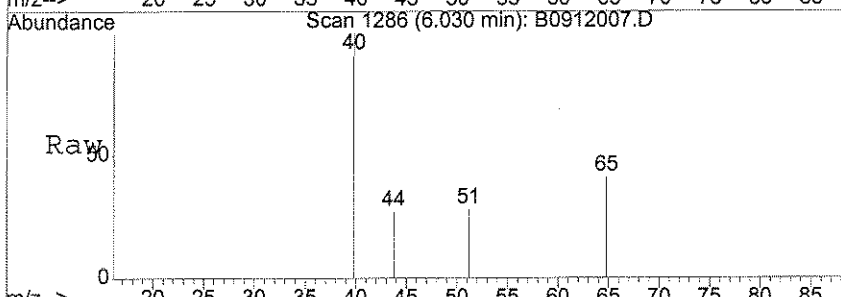
Abundance Ion 117.00 (116.70 to 117.70): B0912007.D
 Ion 119.00 (118.70 to 119.70): B0912007.D





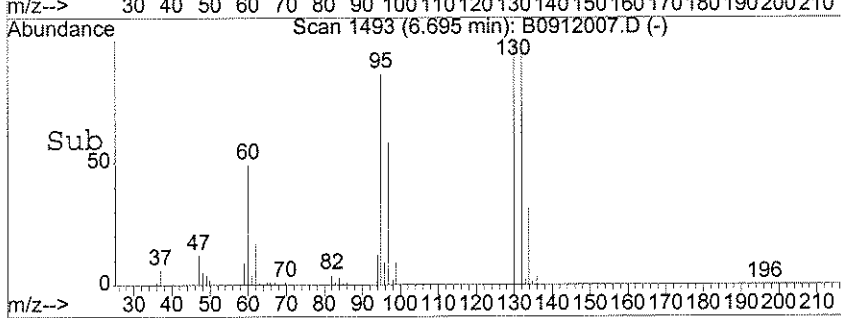
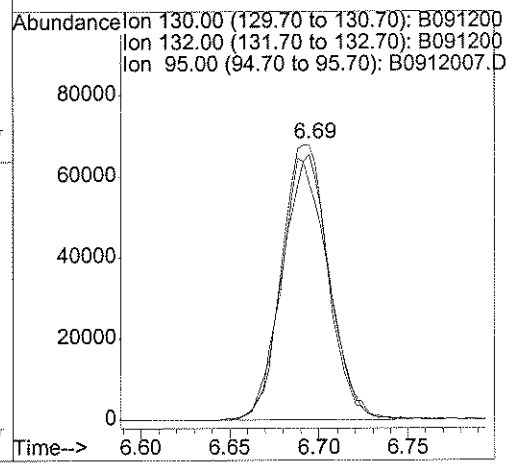
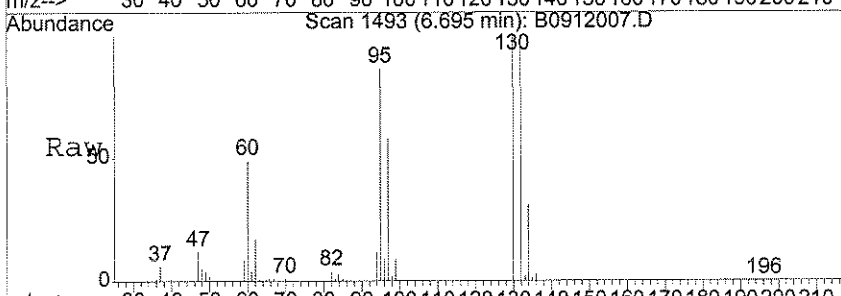
#36
 Isobutanol
 Concen: Below Cal
 RT: 6.03 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: B0912007.D
 Acq: 12 Sep 2006 13:43

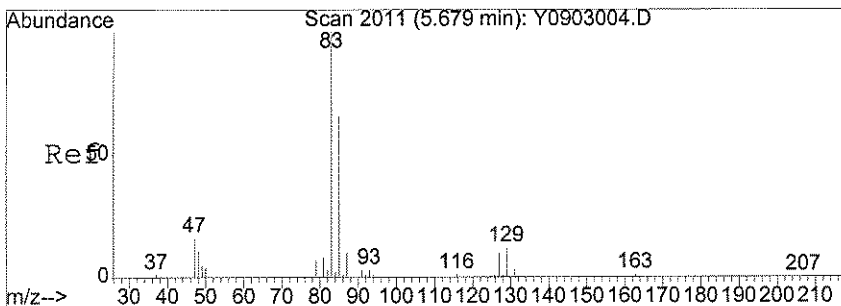
Tgt Ion	Resp	Lower	Upper
43	100		
41	51.5	51.1	76.7
31	0.0	0.0	0.0



#41
 Trichloroethene
 Concen: 10.76 ug/l
 RT: 6.69 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: B0912007.D
 Acq: 12 Sep 2006 13:43

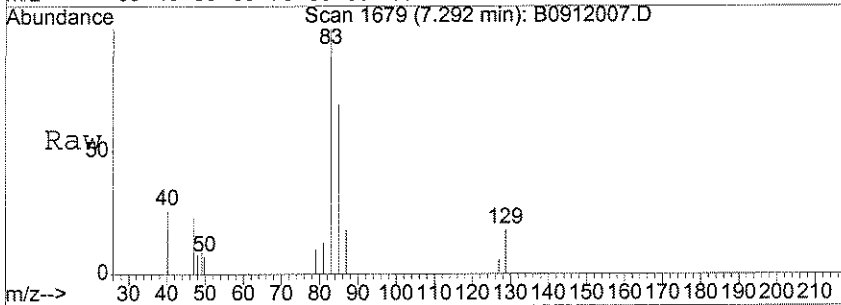
Tgt Ion	Resp	Lower	Upper
130	100		
132	95.6	81.1	121.1
95	89.8	60.0	100.0



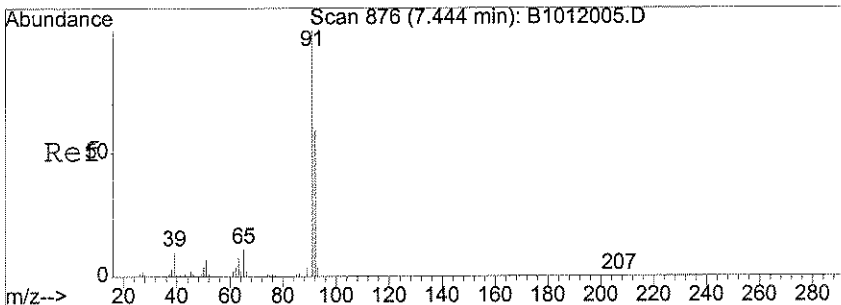
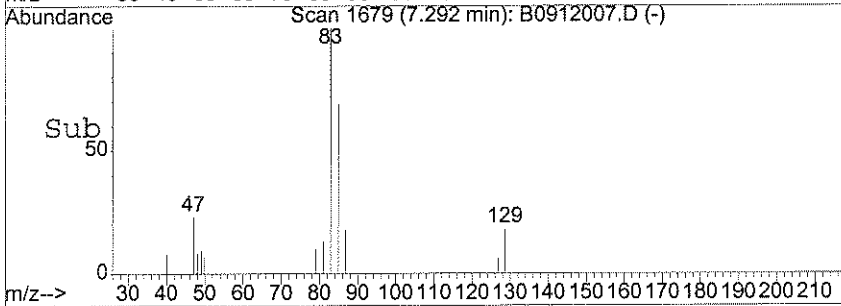
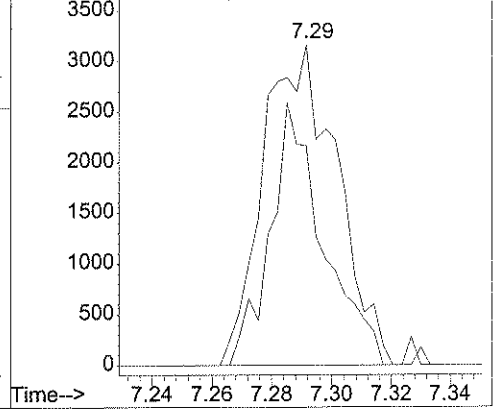


#48
 Bromodichloromethane
 Concen: 0.39 ug/l
 RT: 7.29 min Scan# 1679
 Delta R.T. 0.01 min
 Lab File: B0912007.D
 Acq: 12 Sep 2006 13:43

Tgt Ion	Resp	Lower	Upper
83	100		
85	58.5	46.0	86.0

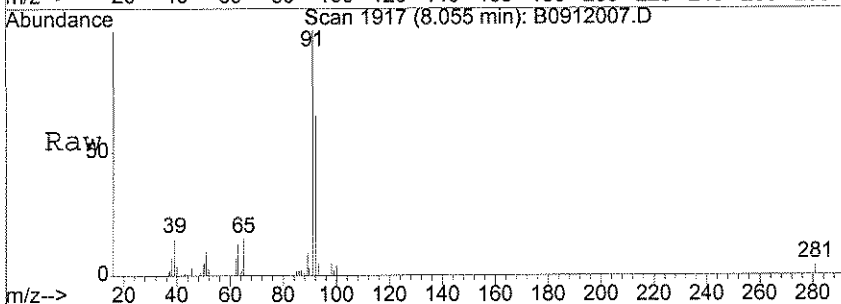


Abundance Ion 83.00 (82.70 to 83.70): B0912007.D
 Ion 85.00 (84.70 to 85.70): B0912007.D

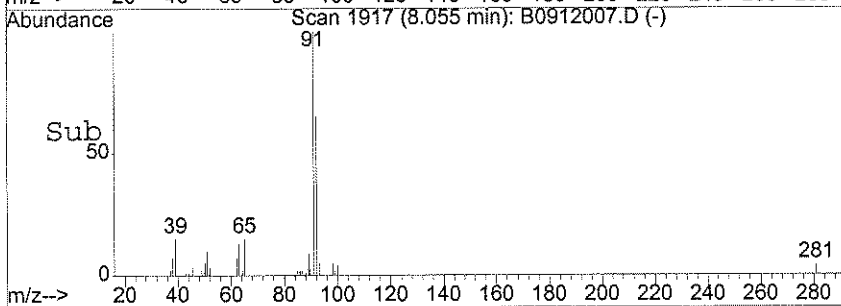
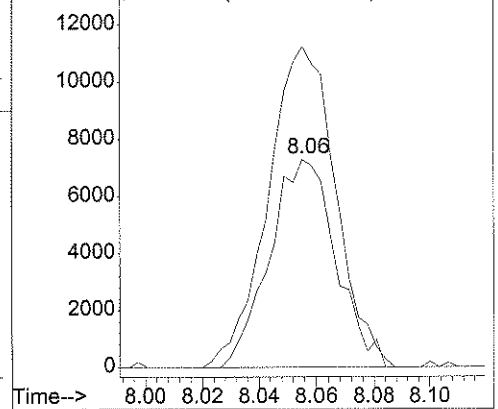


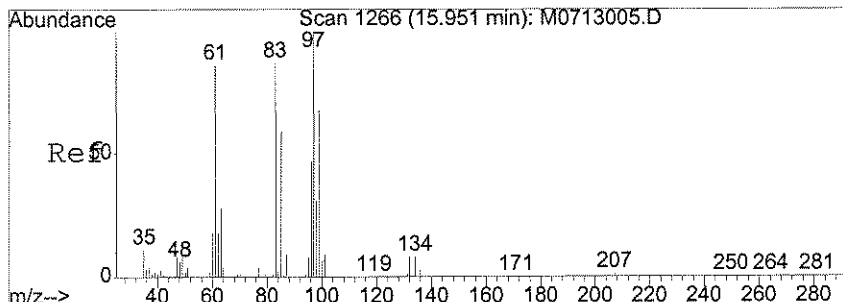
#53
 Toluene
 Concen: 0.43 ug/l
 RT: 8.06 min Scan# 1917
 Delta R.T. 0.01 min
 Lab File: B0912007.D
 Acq: 12 Sep 2006 13:43

Tgt Ion	Resp	Lower	Upper
92	100		
91	157.6	133.2	199.8



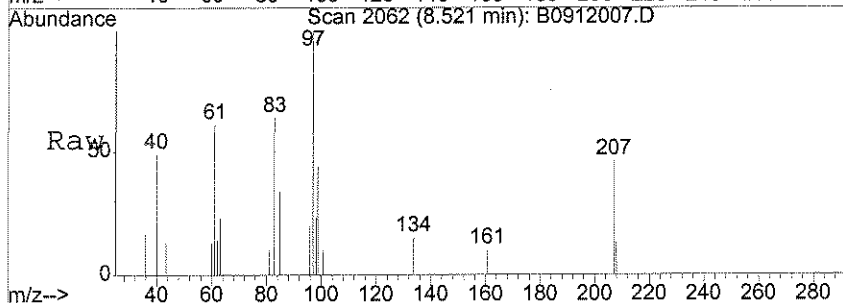
Abundance Ion 92.05 (91.75 to 92.75): B0912007.D
 Ion 91.05 (90.75 to 91.75): B0912007.D



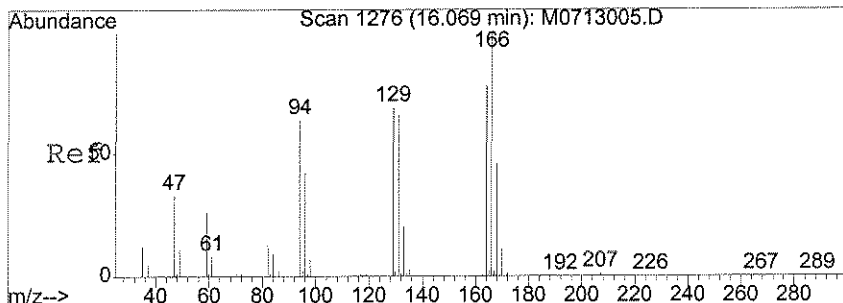
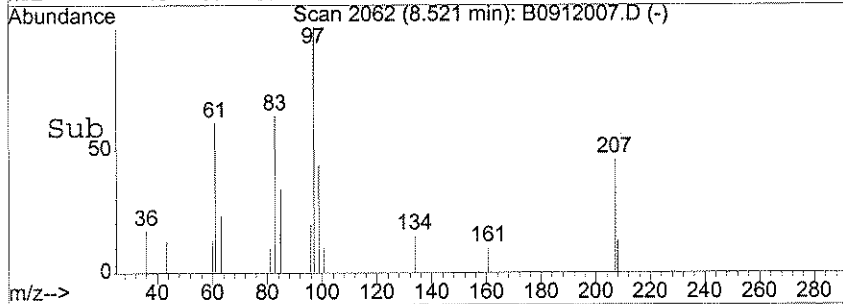
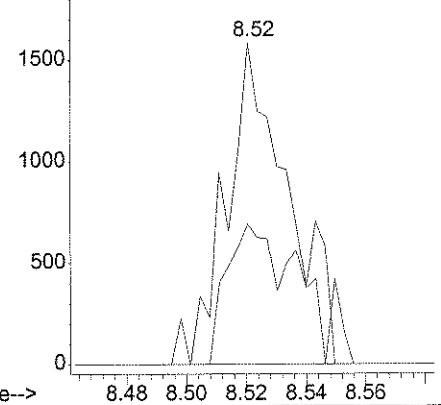


#56
 1,1,2-Trichloroethane
 Concen: 0.37 ug/l
 RT: 8.52 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: B0912007.D
 Acq: 12 Sep 2006 13:43

Tgt Ion: 97 Resp: 2276
 Ion Ratio Lower Upper
 97 100
 99 31.9 43.7 83.7#

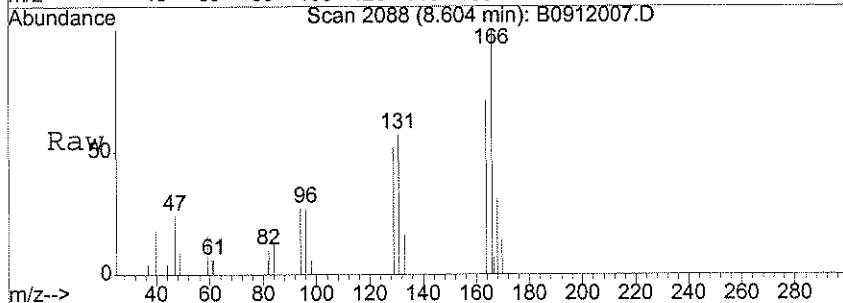


Abundance Ion 97.00 (96.70 to 97.70): B0912007.D
 Ion 99.00 (98.70 to 99.70): B0912007.D

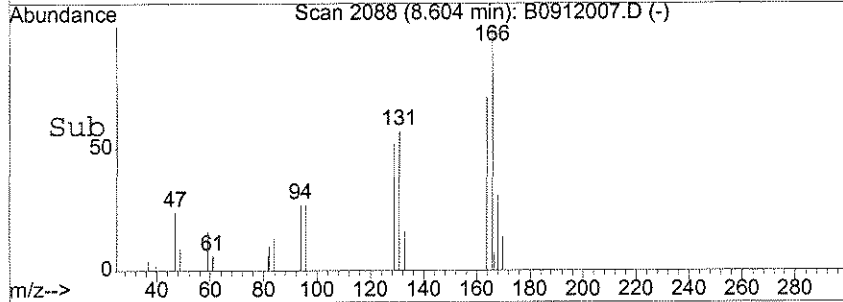
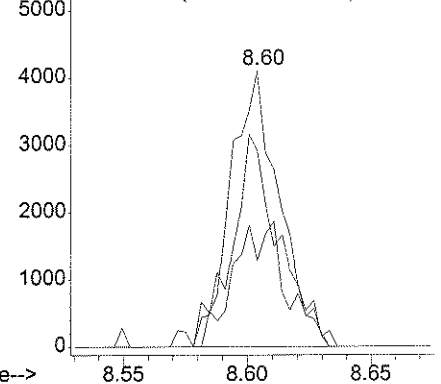


#57
 Tetrachloroethene
 Concen: 0.37 ug/l
 RT: 8.60 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: B0912007.D
 Acq: 12 Sep 2006 13:43

Tgt Ion: 166 Resp: 5753
 Ion Ratio Lower Upper
 166 100
 164 70.8 60.8 91.2
 168 24.1 39.4 59.0#



Abundance Ion 165.95 (165.65 to 166.65): B0912007.D
 Ion 163.95 (163.65 to 164.65): B0912007.D
 Ion 167.95 (167.65 to 168.65): B0912007.D



Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912007.D Vial: 5
Acq On : 12 Sep 2006 13:43 Operator: DGA
Sample : JPL20-001 MW-13 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0912007.D 826025ML.M Tue Sep 19 08:53:20 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-16

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-002
 Lab File ID: B0912008.D
 Date Collected: 08/30/2006
 Date/Time Analyzed: 09/12/2006 14:12
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	2.4	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.29	J
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	14	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	31	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	3.2	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-16

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-002

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912008.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/12/2006 14:12

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	7.4	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-16

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-002
 Lab File ID: B0912008.D
 Date Collected: 08/30/2006
 Date/Time Analyzed: 09/12/2006 14:12
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-16

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-002
 Lab File ID: B0912008.D
 Date Collected: 08/31/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

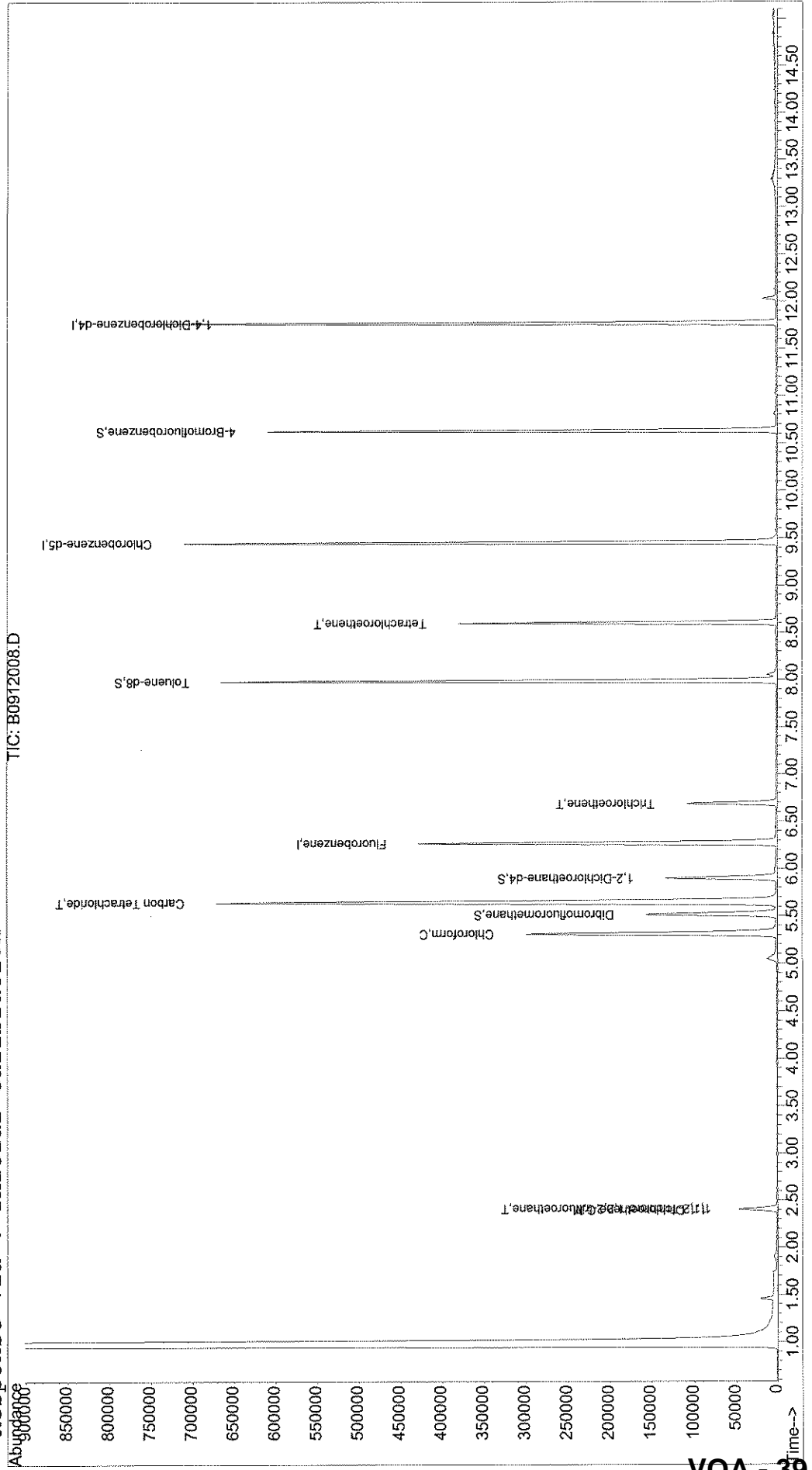
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912008.D Vial: 6
Acq On : 12 Sep 2006 14:12 Operator: DGA
Sample : JPL20-002 MW-16 Inst : Buddha
Misc : #3 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 8:54 2006 Quant Results File: 826025ML.RE5

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912008.D
 Acq On : 12 Sep 2006 14:12
 Sample : JPL20-002 MW-16
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:54 2006

Vial: 6
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	6.27	96	364207	10.00	ug/l	0.01	77.40%
51) Chlorobenzene-d5	9.45	82	186254	10.00	ug/l	0.00	80.51%
71) 1,4-Dichlorobenzene-d4	11.77	152	185880	10.00	ug/l	0.00	66.91%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	103676	10.31	ug/l	0.00	
38) 1,2-Dichloroethane-d4	5.90	65	109548	9.95	ug/l	0.01	
52) Toluene-d8	7.98	98	403323	10.24	ug/l	0.00	
72) 4-Bromofluorobenzene	10.63	95	153881	10.98	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	1.90	101	2640	Below Cal	#	87
8) 1,1-Dichloroethene	2.41	96	17022	2.37	ug/l #	83
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	2.42	101	2779	0.29	ug/l	96
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	257	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.04	43	32	N.D.		
23) 1,1-Dichloroethane	3.96	63	1782	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.73	77	29	N.D.		
26) cis-1,2-Dichloroethene	4.83	96	81	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0912008.D 826025ML.M Tue Sep 19 08:55:05 2006

DGA
 Page 1
 VOA - 40

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912008.D
 Acq On : 12 Sep 2006 14:12
 Sample : JPL20-002 MW-16
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:54 2006

Vial: 6
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	0.00	54	0		N.D.	
28) 2-Butanone	4.90	43	29		N.D.	
29) Bromochloromethane	5.12	128	43		N.D.	
30) Methacrylonitrile	5.06	41	37		N.D.	
31) Chloroform	5.31	83	263172	13.51	ug/l	91
33) 1,1,1-Trichloroethane	5.44	97	103		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	5.65	117	508386	31.23	ug/l	100
36) Isobutanol	6.02	43	39		Below Cal #	18
37) 1,1-Dichloropropene	5.64	75	157		N.D.	
39) Benzene	5.91	78	68		N.D.	
40) 1,2-Dichloroethane	5.98	62	274		N.D.	
41) Trichloroethene	6.69	130	36557	3.18	ug/l	92
42) Methylcyclohexane	6.86	83	32		N.D.	
43) 1,2-Dichloropropane	6.89	63	30		N.D.	
44) Dibromomethane	0.00	93	0		N.D.	
45) Methyl methacrylate	7.09	41	44		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D. d	
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	7.28	83	331		N.D.	
49) cis-1,3-Dichloropropene	7.83	75	32		N.D.	
50) 4-Methyl-2-pentanone	7.85	43	72		N.D.	
53) Toluene	8.06	92	3915		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D. d	
55) trans-1,3-Dichloropropene	8.33	75	47		N.D.	
56) 1,1,2-Trichloroethane	8.53	97	240		N.D.	
57) Tetrachloroethene	8.60	166	110537	7.40	ug/l	98
58) 2-Hexanone	8.77	43	33		N.D.	
59) 1,3-Dichloropropane	0.00	76	0		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	9.10	107	36		N.D.	
62) Chlorobenzene	9.47	112	29		N.D.	
63) 1-Chlorohexane	9.58	91	425		N.D.	
64) Ethylbenzene	9.58	91	425		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.57	131	39		N.D.	
66) m,p-Xylene	9.70	106	392		N.D.	
67) o-xylene	10.09	106	43		N.D.	
68) Styrene	0.00	104	0		N.D.	
69) Bromoform	10.34	173	30		N.D.	
70) Isopropylbenzene	10.45	105	63		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.65	83	31		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0912008.D 826025ML.M Tue Sep 19 08:55:05 2006

[Handwritten Signature]
 Page 2
 VOA - 41

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912008.D
 Acq On : 12 Sep 2006 14:12
 Sample : JPL20-002 MW-16
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:54 2006

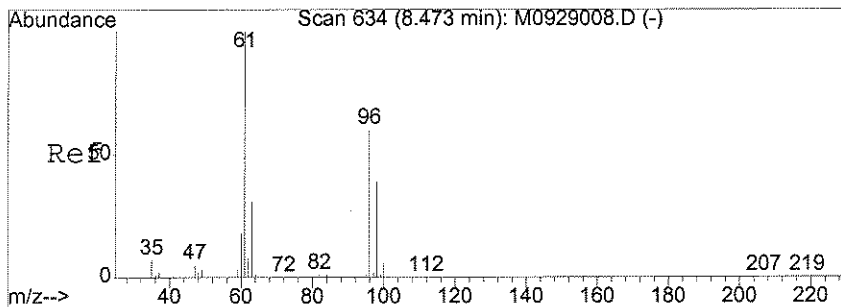
Vial: 6
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

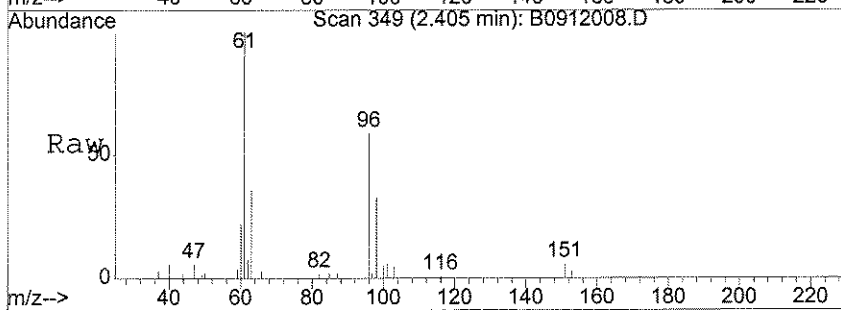
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.88	120	35		N.D.	
75) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
76) Bromobenzene	10.77	156	34		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.96	91	109		N.D.	
79) 1,3,5-Trimethylbenzene	11.25	105	76		N.D.	
80) 4-Chlorotoluene	11.07	91	184		N.D.	
81) tert-Butylbenzene	11.36	119	41		N.D.	
82) 1,2,4-Trimethylbenzene	11.25	105	76		N.D.	
83) sec-butylbenzene	11.58	105	222		N.D.	
84) 4-Isopropyltoluene	11.72	119	63		N.D.	
85) 1,3-Dichlorobenzene	11.77	111	2080		N.D.	
86) 1,4-Dichlorobenzene	11.78	146	43		N.D.	
87) n-Butylbenzene	12.14	91	206		N.D.	
88) 1,2-Dichlorobenzene	12.12	146	44		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.04	157	36		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	109		N.D.	
91) Hexachlorobutadiene	13.91	225	241		N.D.	
92) Naphthalene	13.99	128	39		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	209		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0912008.D 826025ML.M Tue Sep 19 08:55:06 2006

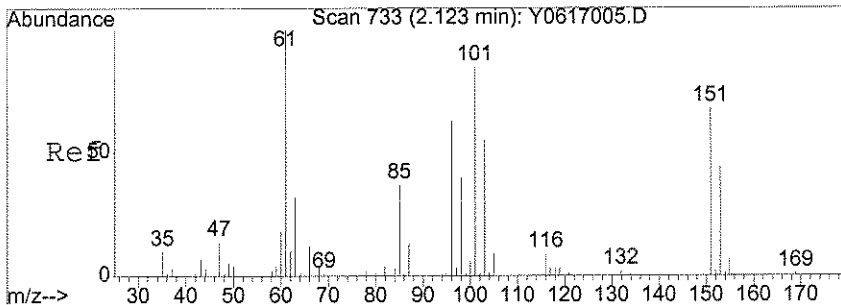
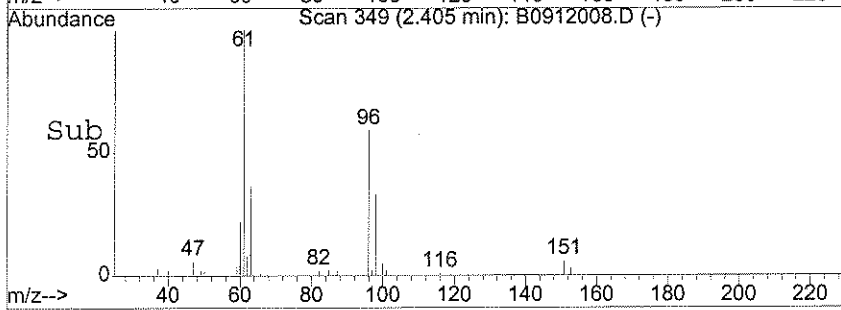
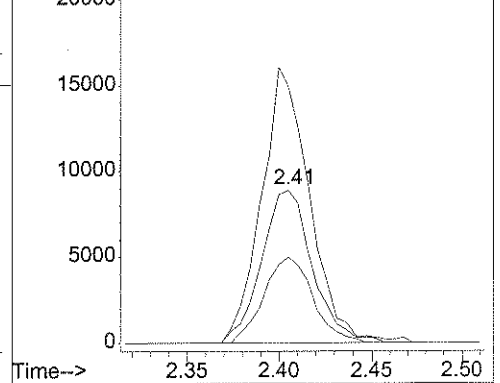


#8
 1,1-Dichloroethene
 Concen: 2.37 ug/l
 RT: 2.41 min Scan# 349
 Delta R.T. 0.02 min
 Lab File: B0912008.D
 Acq: 12 Sep 2006 14:12

Tgt Ion	Resp	Lower	Upper
96	17022		
61	170.8	128.7	168.7#
98	54.0	47.0	87.0

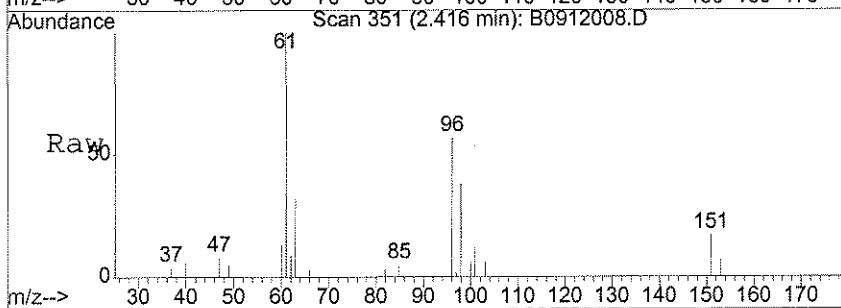


Abundance Ion 96.00 (95.70 to 96.70): B0912008.D
 Ion 61.00 (60.70 to 61.70): B0912008.D
 Ion 98.00 (97.70 to 98.70): B0912008.D

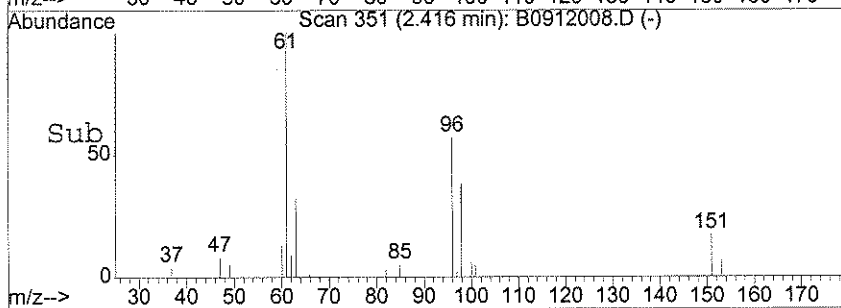
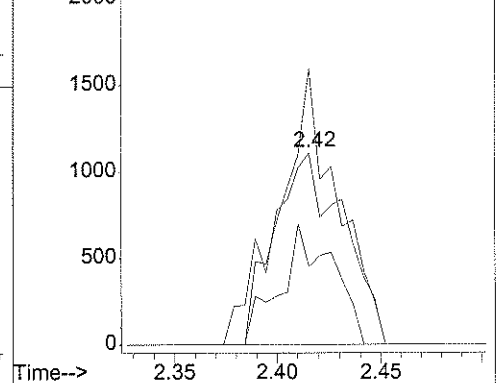


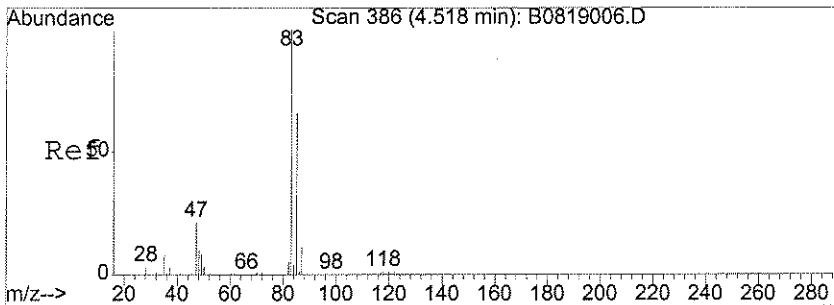
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.29 ug/l
 RT: 2.42 min Scan# 351
 Delta R.T. 0.03 min
 Lab File: B0912008.D
 Acq: 12 Sep 2006 14:12

Tgt Ion	Resp	Lower	Upper
101	2779		
85	44.3	34.5	51.7
151	105.5	88.0	132.0



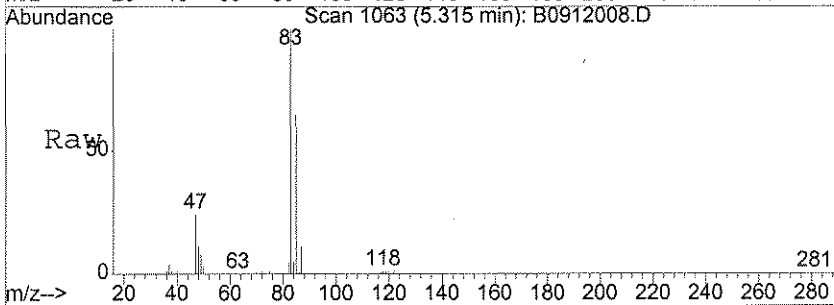
Abundance Ion 100.95 (100.65 to 101.65): B0912008.D
 Ion 84.95 (84.65 to 85.65): B0912008.D
 Ion 150.95 (150.65 to 151.65): B0912008.D



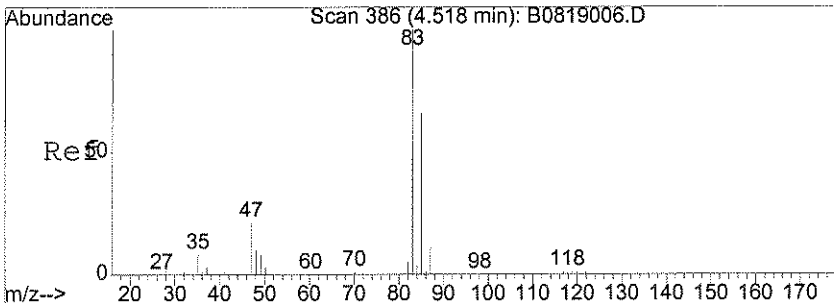
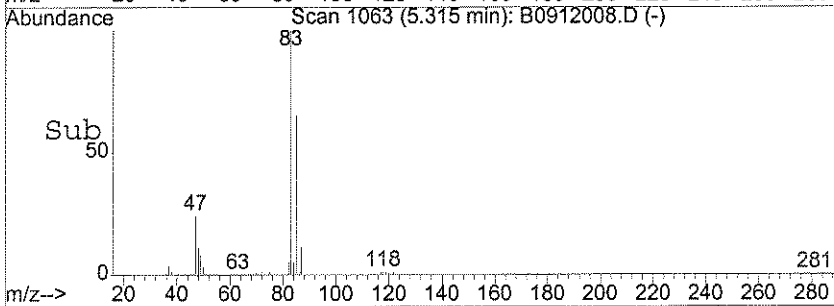
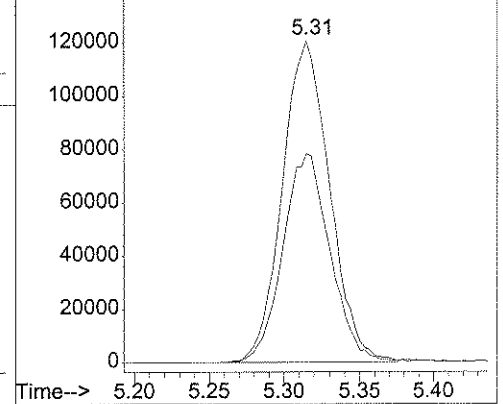


#31
 Chloroform
 Concen: 13.51 ug/l
 RT: 5.31 min Scan# 1063
 Delta R.T. 0.01 min
 Lab File: B0912008.D
 Acq: 12 Sep 2006 14:12

Tgt Ion: 83 Resp: 263172
 Ion Ratio Lower Upper
 83 100
 85 64.9 38.2 78.2

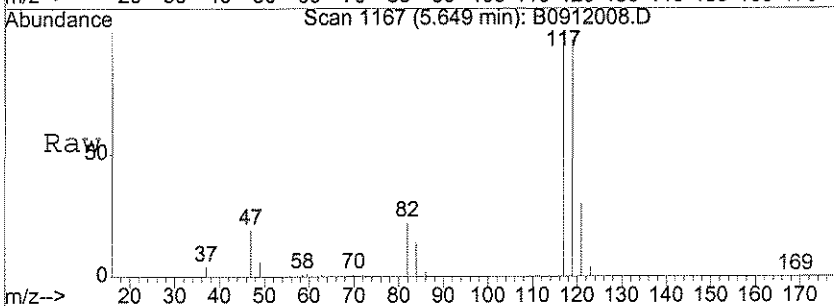


Abundance Ion 83.00 (82.70 to 83.70): B0912008.D
 140000 Ion 85.00 (84.70 to 85.70): B0912008.D

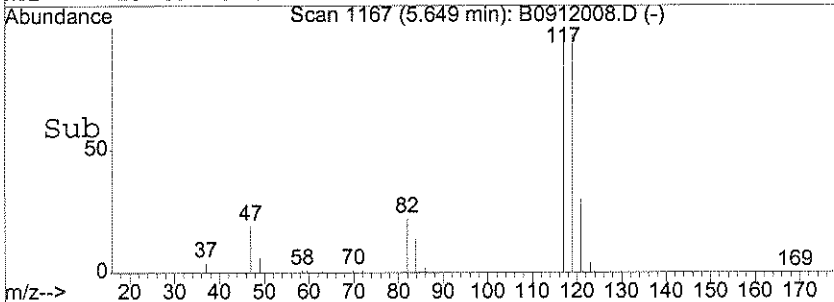
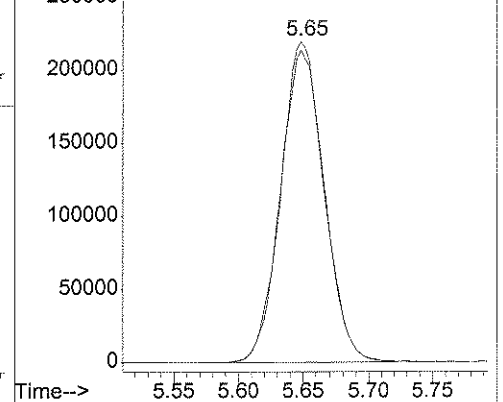


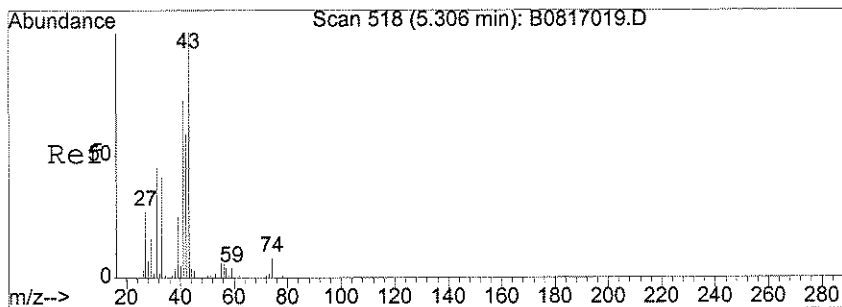
#35
 Carbon Tetrachloride
 Concen: 31.23 ug/l
 RT: 5.65 min Scan# 1167
 Delta R.T. 0.01 min
 Lab File: B0912008.D
 Acq: 12 Sep 2006 14:12

Tgt Ion: 117 Resp: 508386
 Ion Ratio Lower Upper
 117 100
 119 96.8 76.7 116.7



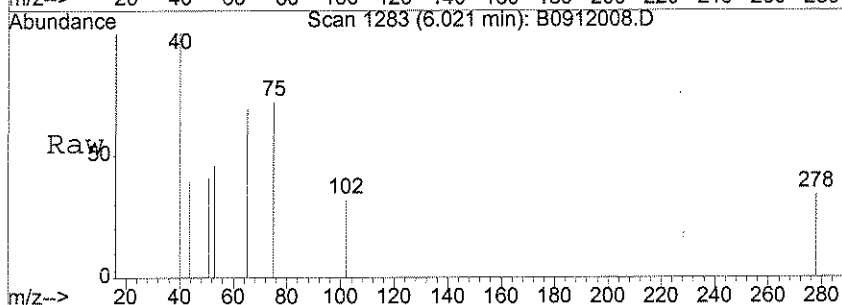
Abundance Ion 117.00 (116.70 to 117.70): B0912008.D
 250000 Ion 119.00 (118.70 to 119.70): B0912008.D



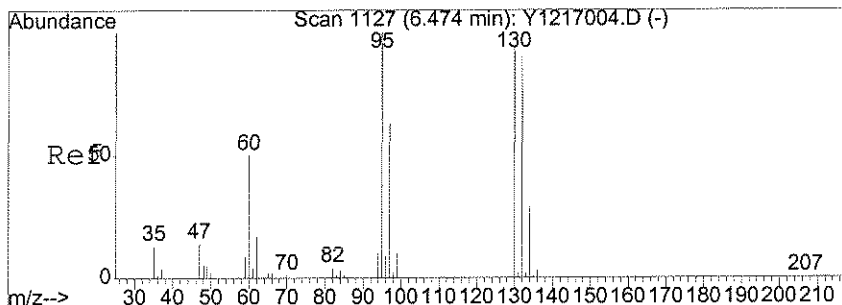
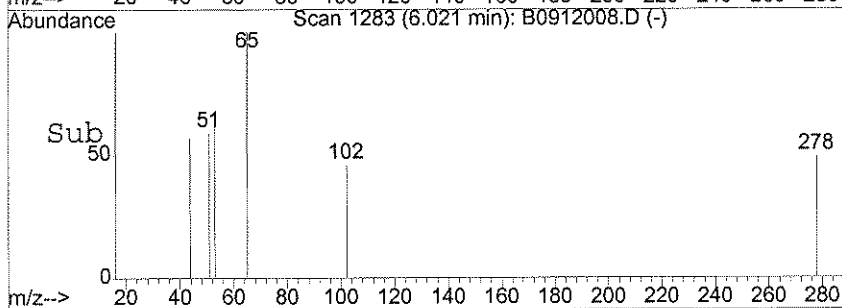
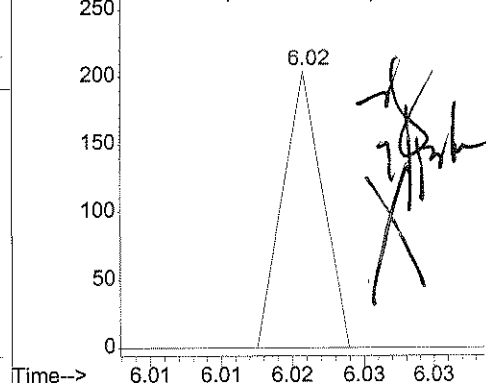


#36
 Isobutanol
 Concen: Below Cal
 RT: 6.02 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: B0912008.D
 Acq: 12 Sep 2006 14:12

Tgt Ion	Resp	Lower	Upper
43	100		
41	0.0	51.1	76.7#
31	0.0	0.0	0.0

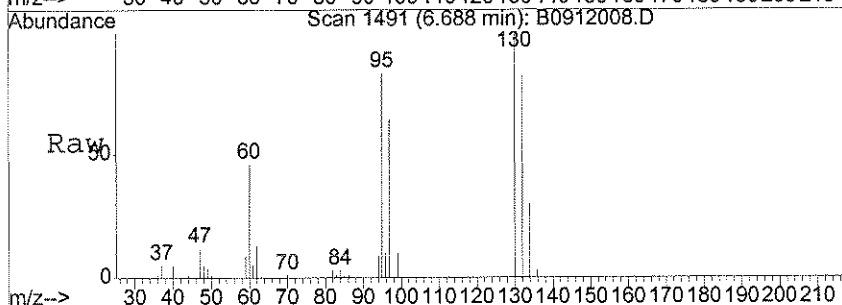


Abundance
 Ion 43.20 (42.90 to 43.90): B0912008.D
 Ion 41.10 (40.80 to 41.80): B0912008.D
 Ion 31.10 (30.80 to 31.80): B0912008.D

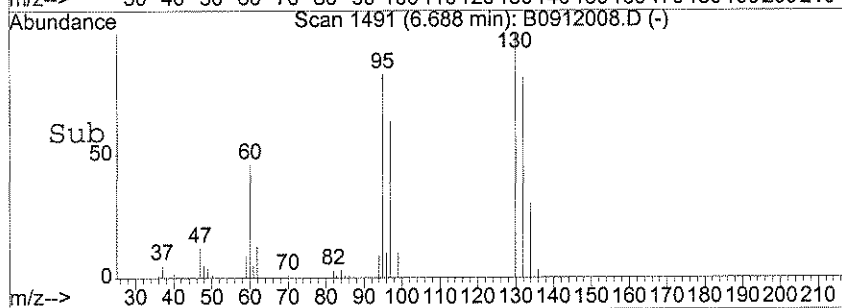
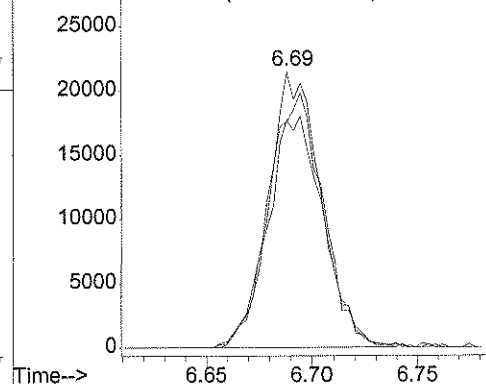


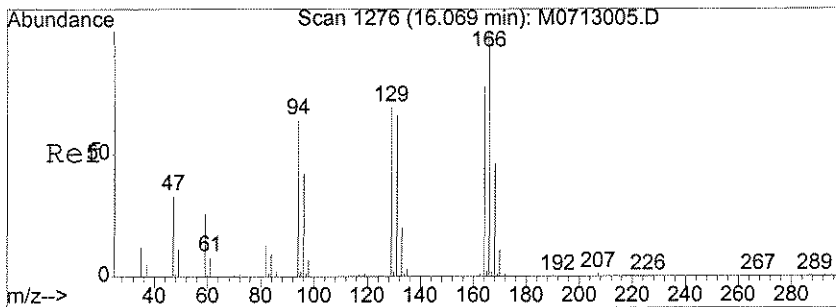
#41
 Trichloroethene
 Concen: 3.18 ug/l
 RT: 6.69 min Scan# 1491
 Delta R.T. 0.00 min
 Lab File: B0912008.D
 Acq: 12 Sep 2006 14:12

Tgt Ion	Resp	Lower	Upper
130	100		
132	96.7	81.1	121.1
95	90.3	60.0	100.0



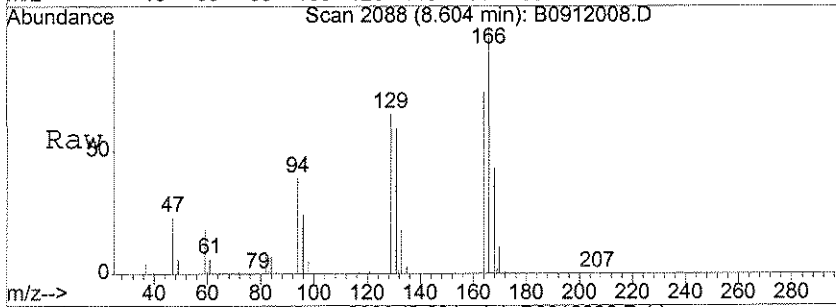
Abundance
 Ion 130.00 (129.70 to 130.70): B0912008.D
 Ion 132.00 (131.70 to 132.70): B0912008.D
 Ion 95.00 (94.70 to 95.70): B0912008.D



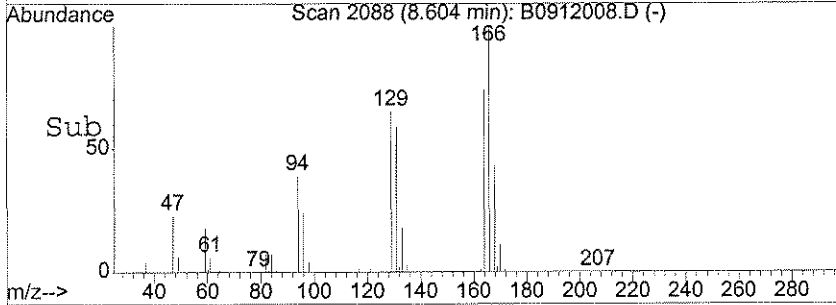
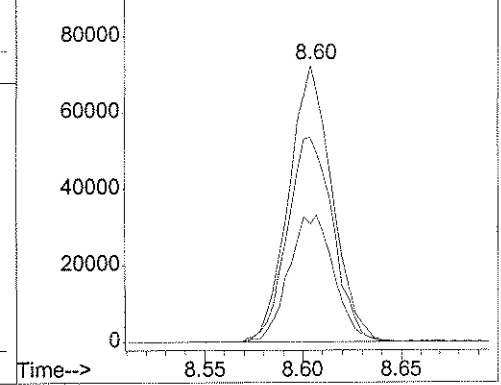


#57
 Tetrachloroethene
 Concen: 7.40 ug/l
 RT: 8.60 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: B0912008.D
 Acq: 12 Sep 2006 14:12

Tgt Ion	Resp	Lower	Upper
166	110537		
166	100		
164	77.7	60.8	91.2
168	47.8	39.4	59.0



Abundance
 Ion 165.95 (165.65 to 166.65): B091200
 Ion 163.95 (163.65 to 164.65): B091200
 Ion 167.95 (167.65 to 168.65): B091200



Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912008.D Vial: 6
Acq On : 12 Sep 2006 14:12 Operator: DGA
Sample : JPL20-002 MW-16 Inst : Buddha
Misc : #3 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0912008.D 826025ML.M Tue Sep 19 10:49:00 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-3-3Q06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-003

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912009.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/12/2006 14:42

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	4.8	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	1.5	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	11	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.36	J
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.62	

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-3-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-003
 Lab File ID: B0912009.D
 Date Collected: 08/30/2006
 Date/Time Analyzed: 09/12/2006 14:42
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
10061-02-	trans-1,3-Dichloropropene	0.50		U
79-00-5	1,1,2-Trichloroethane	0.42		J
127-18-4	Tetrachloroethene	0.36		J
142-28-9	1,3-Dichloropropane	0.50		U
124-48-1	Dibromochloromethane	0.50		U
106-93-4	1,2-Dibromoethane	0.50		U
108-90-7	Chlorobenzene	0.50		U
100-41-4	Ethylbenzene	0.50		U
630-20-6	1,1,1,2-Tetrachloroethane	0.50		U
179601-23	m,p-Xylene	1.0		U
95-47-6	o-Xylene	0.50		U
100-42-5	Styrene	0.50		U
75-25-2	Bromoform	0.50		U
98-82-8	Isopropylbenzene	0.50		U
79-34-5	1,1,2,2-Tetrachloroethane	0.50		U
103-65-1	n-Propylbenzene	0.50		U
108-86-1	Bromobenzene	0.50		U
96-18-4	1,2,3-Trichloropropane	0.50		U
95-49-8	2-Chlorotoluene	0.50		U
108-67-8	1,3,5-Trimethylbenzene	0.50		U
106-43-4	4-Chlorotoluene	0.50		U
98-06-6	tert-Butylbenzene	0.50		U
95-63-6	1,2,4-Trimethylbenzene	0.50		U
135-98-8	sec-Butylbenzene	0.50		U
99-87-6	4-Isopropyltoluene	0.50		U
541-73-1	1,3-Dichlorobenzene	0.50		U
106-46-7	1,4-Dichlorobenzene	0.50		U
104-51-8	n-Butylbenzene	0.50		U
95-50-1	1,2-Dichlorobenzene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-3-3Q06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-003

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912009.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/12/2006 14:42

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DUPE-3-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-003
 Lab File ID: B0912009.D
 Date Collected: 08/31/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

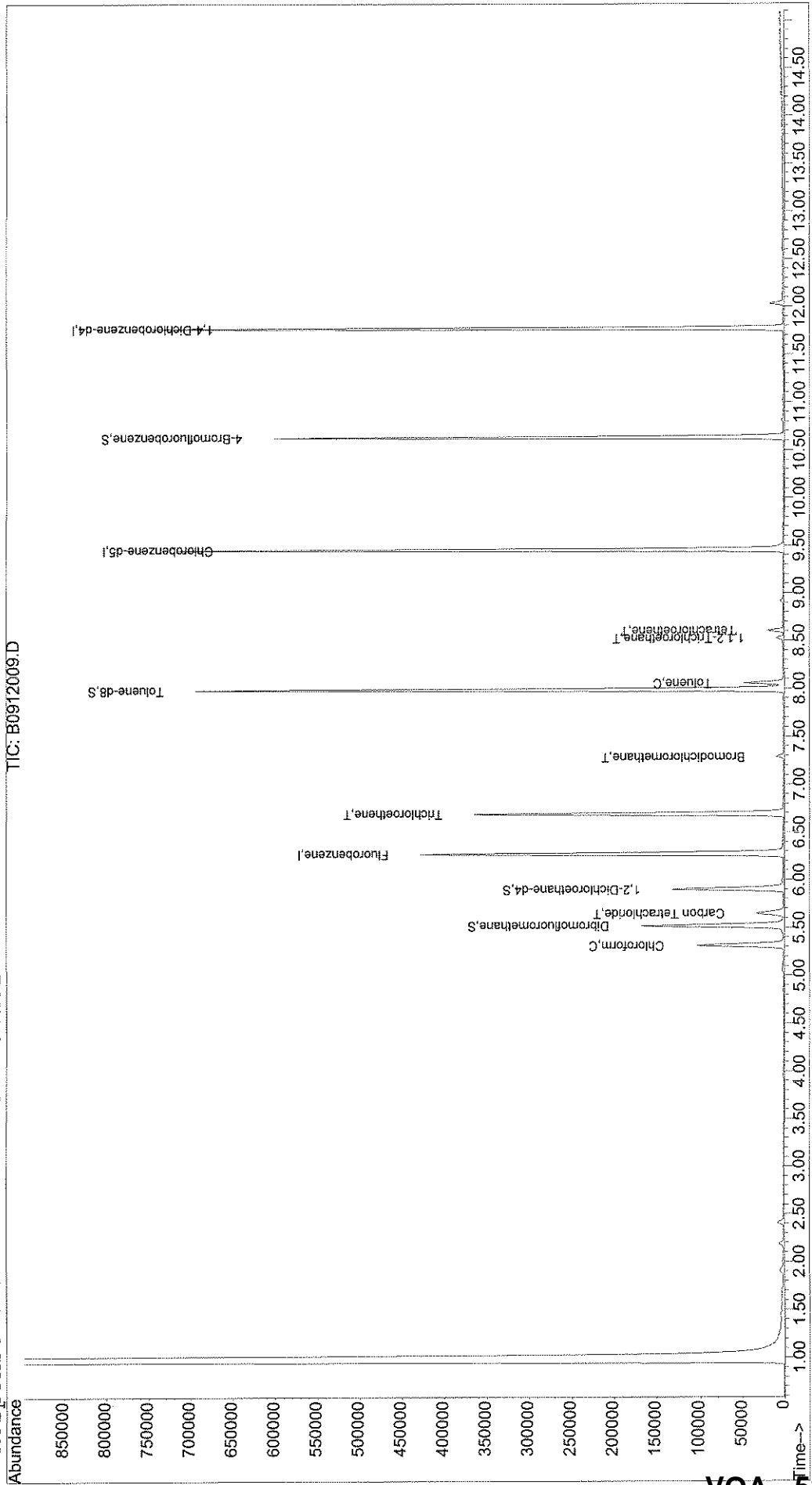
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912009.D Vial: 7
Acq On : 12 Sep 2006 14:42 Operator: DGA
Sample : JPL20-003 DUPE-3-3Q06 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 8:56 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912009.D
 Acq On : 12 Sep 2006 14:42
 Sample : JPL20-003 DUPE-3-3Q06
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:56 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	358392	10.00	ug/l	0.01 76.17%
51) Chlorobenzene-d5	9.45	82	183858	10.00	ug/l	0.00 79.48%
71) 1,4-Dichlorobenzene-d4	11.77	152	184403	10.00	ug/l	0.00 66.38%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	103125	10.42	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.90	65	115176	10.63	ug/l	0.00
52) Toluene-d8	7.98	98	405758	10.44	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	149622	10.77	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	102	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	1.90	101	4003	<u>Below Cal #</u>		96
8) 1,1-Dichloroethene	2.41	96	1600	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	2.41	101	1851	N.D.		
11) Acetone	2.48	43	87	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	3.34	73	122	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.03	43	39	N.D.		
23) 1,1-Dichloroethane	3.96	63	2584	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.79	77	29	N.D.		
26) cis-1,2-Dichloroethene	4.86	96	177	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0912009.D 826025ML.M Tue Sep 19 08:56:28 2006

g 09/19/06
 Page 1
 VOA - 53

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912009.D
 Acq On : 12 Sep 2006 14:42
 Sample : JPL20-003 DUPE-3-3Q06
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:56 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	5.06	54	45	N.D.		
28) 2-Butanone	4.90	43	34	N.D.		
29) Bromochloromethane	5.17	128	33	N.D.		
30) Methacrylonitrile	5.20	41	45	N.D.		
31) Chloroform	5.31	83	91135	4.75 ug/l	✓	92
33) 1,1,1-Trichloroethane	5.45	97	1611	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	5.65	117	24319	1.52 ug/l	✓	99
36) Isobutanol	6.08	43	33	Below Cal	#	18
37) 1,1-Dichloropropene	5.63	75	29	N.D.		
39) Benzene	5.91	78	52	N.D.		
40) 1,2-Dichloroethane	6.00	62	237	N.D.		
41) Trichloroethene	6.69	130	122710	10.85 ug/l	✓	92
42) Methylcyclohexane	6.71	83	386	N.D.		
43) 1,2-Dichloropropane	7.02	63	38	N.D.		
44) Dibromomethane	0.00	93	0	N.D.		
45) Methyl methacrylate	7.13	41	31	N.D.		
46) 1,4-Dioxane	0.00	88	0	N.D.	d	
47) 2-Chloroethyl vinyl ether	0.00	63	0	N.D.		
48) Bromodichloromethane	7.29	83	4824	0.36 ug/l	✓	95
49) cis-1,3-Dichloropropene	0.00	75	0	N.D.		
50) 4-Methyl-2-pentanone	7.94	43	51	N.D.		
53) Toluene	8.05	92	15925	0.62 ug/l	✓	97
54) Ethyl methacrylate	0.00	69	0	N.D.	d	
55) trans-1,3-Dichloropropene	8.16	75	44	N.D.		
56) 1,1,2-Trichloroethane	8.53	97	2382	0.42 ug/l	#	65
57) Tetrachloroethene	8.60	166	5252	0.36 ug/l	#	82
58) 2-Hexanone	8.76	43	38	N.D.		
59) 1,3-Dichloropropane	8.67	76	31	N.D.		
60) Dibromochloromethane	8.92	129	1480	N.D.		
61) 1,2-Dibromoethane	0.00	107	0	N.D.		
62) Chlorobenzene	9.48	112	43	N.D.		
63) 1-Chlorohexane	9.58	91	93	N.D.		
64) Ethylbenzene	9.58	91	93	N.D.		
65) 1,1,1,2-Tetrachloroethane	9.55	131	33	N.D.		
66) m,p-Xylene	9.69	106	108	N.D.		
67) o-xylene	10.30	106	34	N.D.		
68) Styrene	10.11	104	89	N.D.		
69) Bromoform	10.33	173	102	N.D.		
70) Isopropylbenzene	10.46	105	34	N.D.		
73) 1,1,2,2-Tetrachloroethane	10.99	83	40	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0912009.D 826025ML.M Tue Sep 19 08:56:29 2006

[Handwritten Signature]
 09/19/06
 VOA - 54
 Page 2

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912009.D
 Acq On : 12 Sep 2006 14:42
 Sample : JPL20-003 DUPE-3-3Q06
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 8:56 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

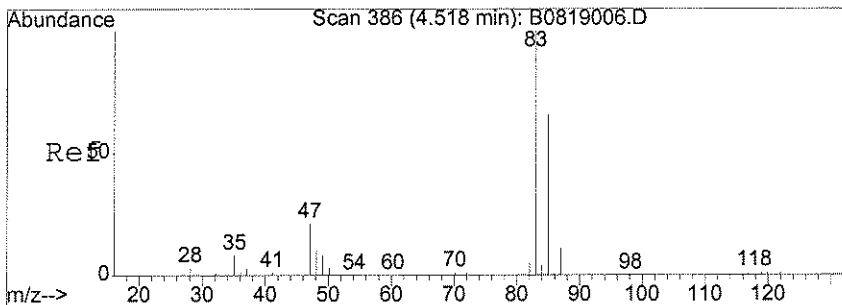
Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.87	120	29	N.D.		
75) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.		
76) Bromobenzene	10.79	156	41	N.D.		
77) 1,2,3-Trichloropropane	10.64	110	97	Below Cal	#	1
78) 2-Chlorotoluene	10.96	91	105	N.D.		
79) 1,3,5-Trimethylbenzene	11.03	105	31	N.D.		
80) 4-Chlorotoluene	10.96	91	105	N.D.		
81) tert-Butylbenzene	11.36	119	34	N.D.		
82) 1,2,4-Trimethylbenzene	11.46	105	32	N.D.		
83) sec-butylbenzene	11.57	105	41	N.D.		
84) 4-Isopropyltoluene	11.72	119	51	N.D.		
85) 1,3-Dichlorobenzene	0.00	111	0	N.D.	d	
86) 1,4-Dichlorobenzene	11.79	146	40	N.D.		
87) n-Butylbenzene	12.13	91	100	N.D.		
88) 1,2-Dichlorobenzene	12.40	146	54	N.D.		
89) 1,2-Dibromo-3-chloropropan	13.17	157	57	N.D.		
90) 1,2,4-Trichlorobenzene	13.75	180	34	N.D.		
91) Hexachlorobutadiene	13.90	225	35	N.D.		
92) Naphthalene	13.99	128	51	N.D.		
93) 1,2,3-Trichlorobenzene	14.24	180	278	N.D.		

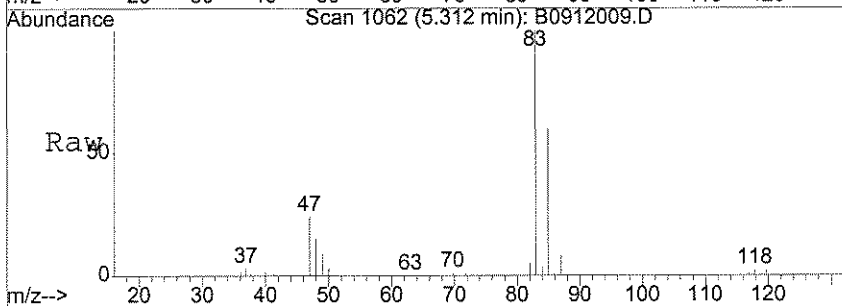
(#) = qualifier out of range (m) = manual integration
 B0912009.D 826025ML.M Tue Sep 19 08:56:29 2006

[Handwritten Signature]
 8/13/06
 VOA - 55
 Page 3

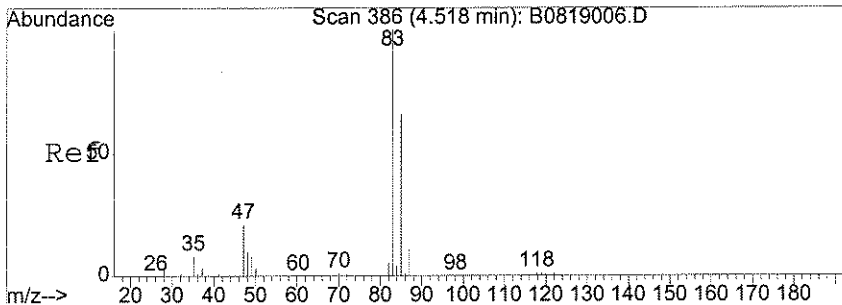
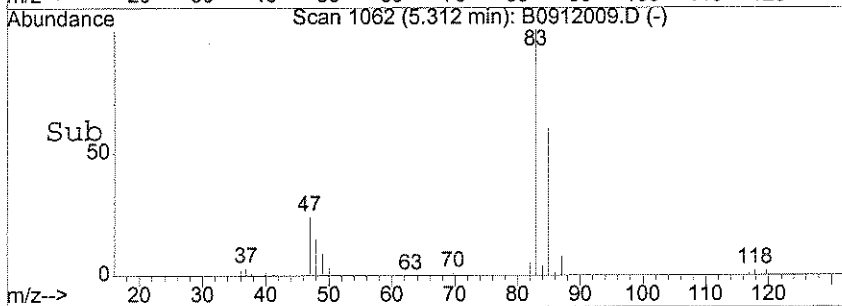
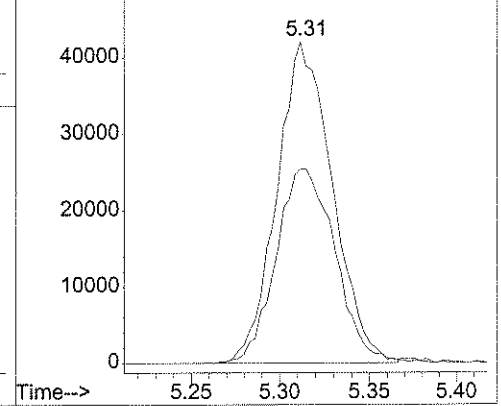


#31
 Chloroform
 Concen: 4.75 ug/l
 RT: 5.31 min Scan# 1062
 Delta R.T. 0.01 min
 Lab File: B0912009.D
 Acq: 12 Sep 2006 14:42

Tgt Ion: 83 Resp: 91135
 Ion Ratio Lower Upper
 83 100
 85 64.3 38.2 78.2

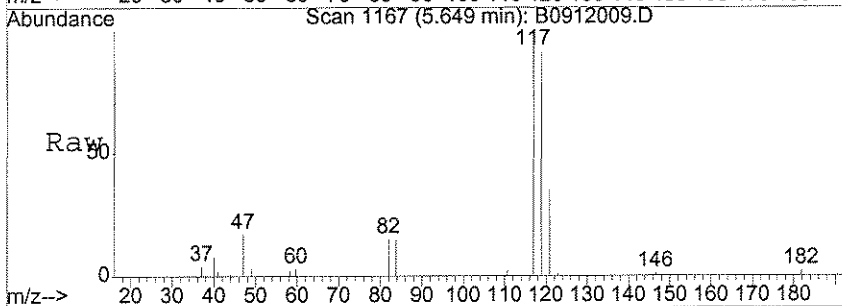


Abundance Ion 83.00 (82.70 to 83.70): B0912009.D
 Ion 85.00 (84.70 to 85.70): B0912009.D

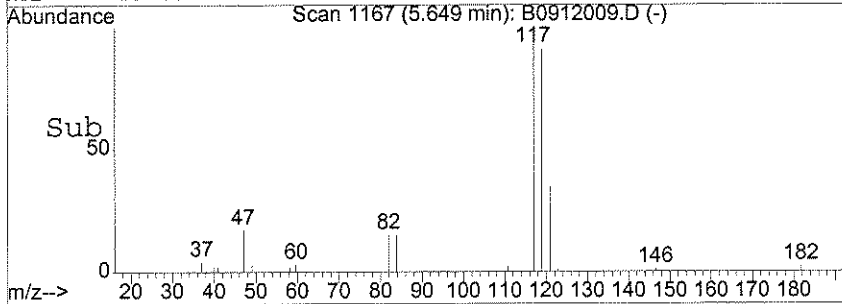
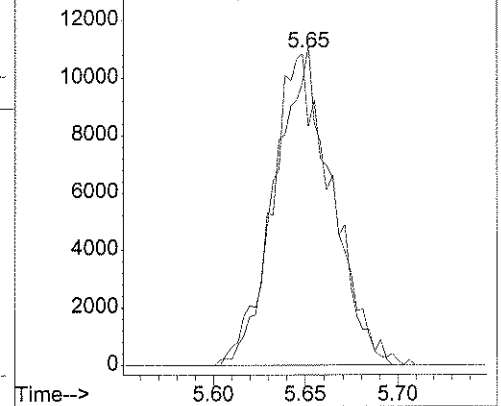


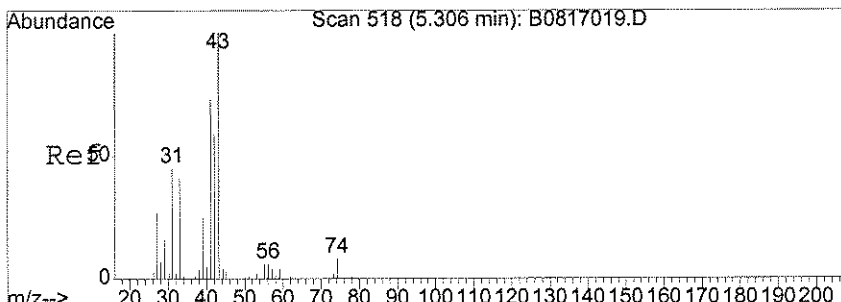
#35
 Carbon Tetrachloride
 Concen: 1.52 ug/l
 RT: 5.65 min Scan# 1167
 Delta R.T. 0.01 min
 Lab File: B0912009.D
 Acq: 12 Sep 2006 14:42

Tgt Ion: 117 Resp: 24319
 Ion Ratio Lower Upper
 117 100
 119 96.1 76.7 116.7



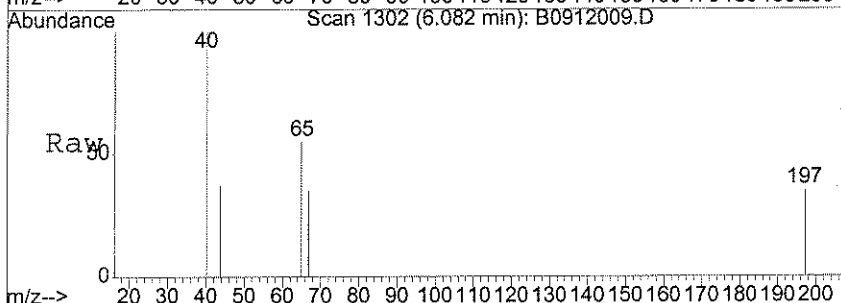
Abundance Ion 117.00 (116.70 to 117.70): B0912009.D
 Ion 119.00 (118.70 to 119.70): B0912009.D



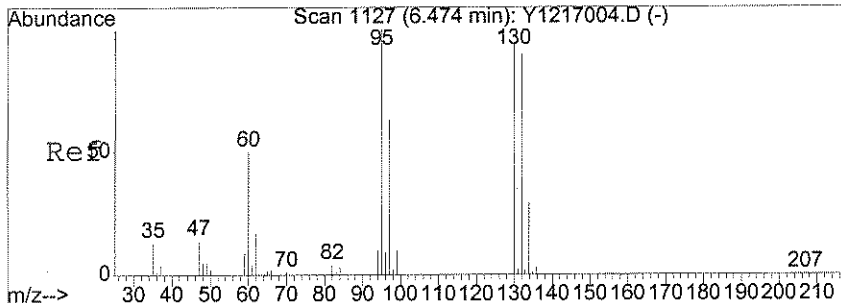
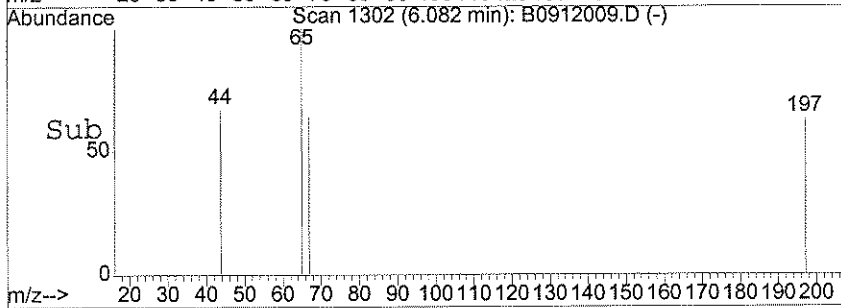
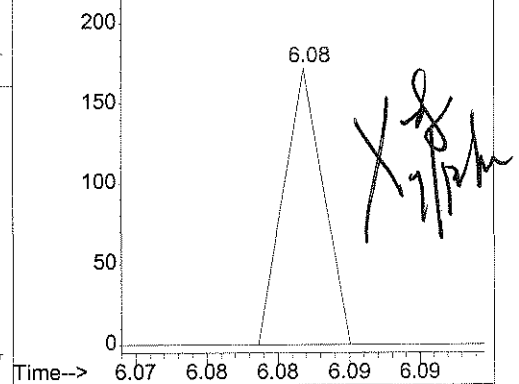


#36
 Isobutanol
 Concen: Below Cal
 RT: 6.08 min Scan# 1302
 Delta R.T. 0.05 min
 Lab File: B0912009.D
 Acq: 12 Sep 2006 14:42

Tgt Ion	Resp	Lower	Upper
43	100		
41	0.0	51.1	76.7#
31	0.0	0.0	0.0

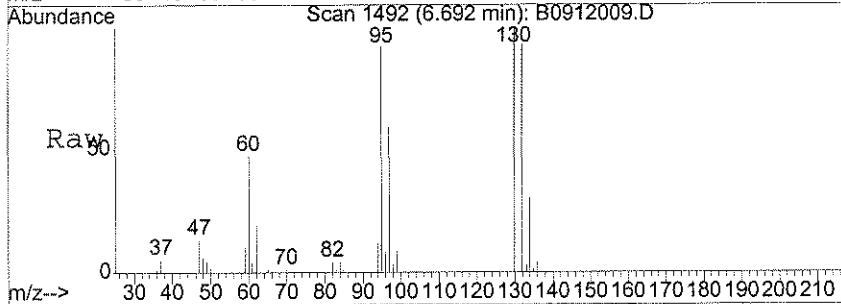


Abundance
 Ion 43.20 (42.90 to 43.90): B0912009.D
 Ion 41.10 (40.80 to 41.80): B0912009.D
 Ion 31.10 (30.80 to 31.80): B0912009.D

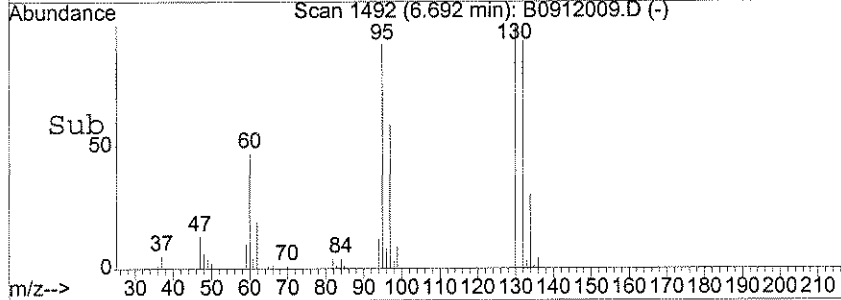
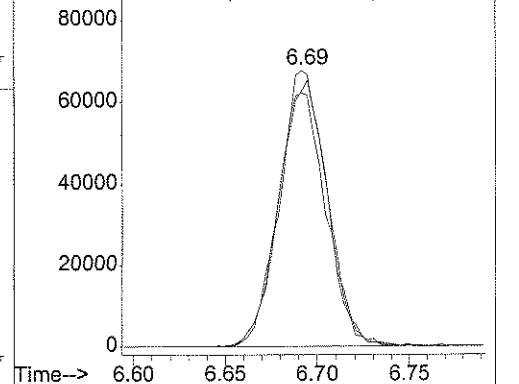


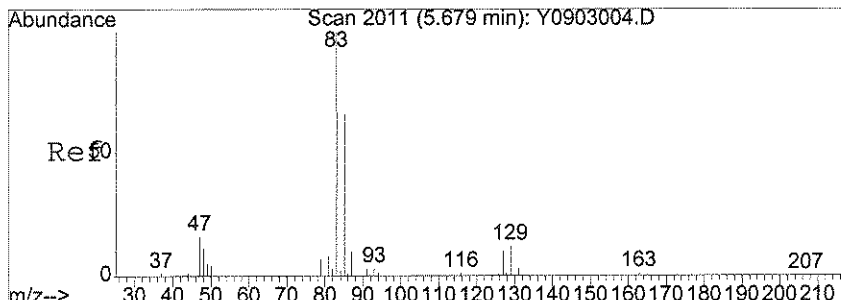
#41
 Trichloroethene
 Concen: 10.85 ug/l
 RT: 6.69 min Scan# 1492
 Delta R.T. 0.01 min
 Lab File: B0912009.D
 Acq: 12 Sep 2006 14:42

Tgt Ion	Resp	Lower	Upper
130	100		
132	96.4	81.1	121.1
95	91.7	60.0	100.0



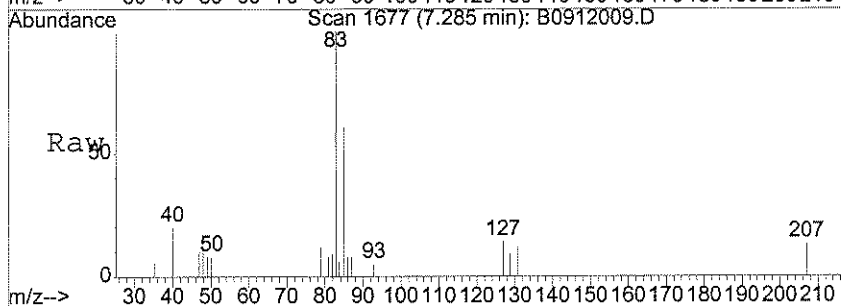
Abundance
 Ion 130.00 (129.70 to 130.70): B0912009.D
 Ion 132.00 (131.70 to 132.70): B0912009.D
 Ion 95.00 (94.70 to 95.70): B0912009.D



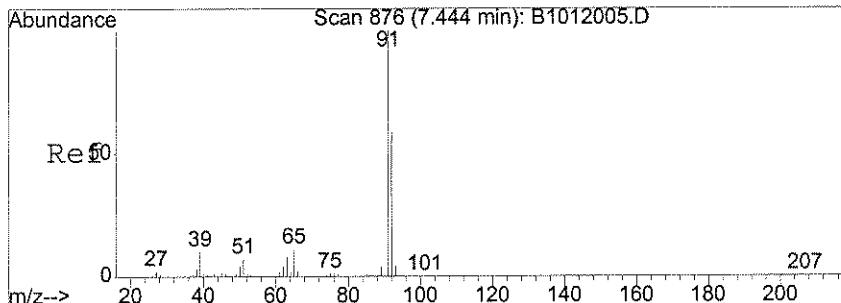
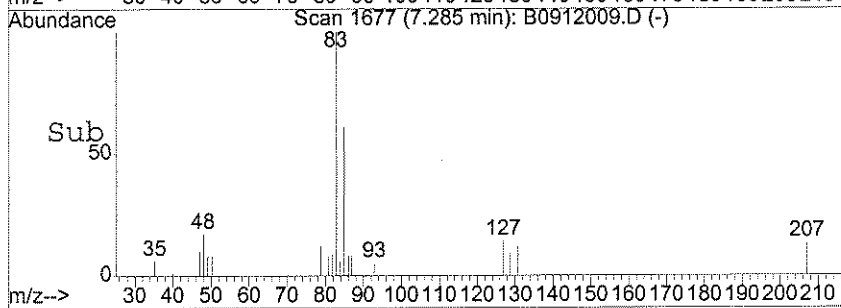
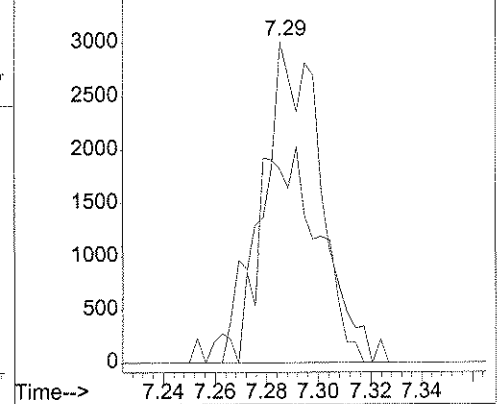


#48
 Bromodichloromethane
 Concen: 0.36 ug/l
 RT: 7.29 min Scan# 1677
 Delta R.T. 0.00 min
 Lab File: B0912009.D
 Acq: 12 Sep 2006 14:42

Tgt Ion: 83 Resp: 4824
 Ion Ratio Lower Upper
 83 100
 85 69.8 46.0 86.0

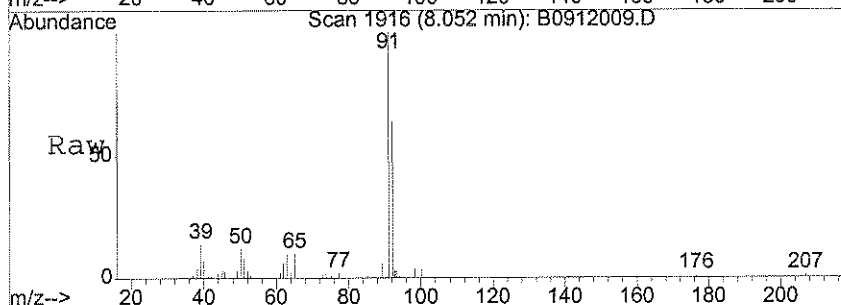


Abundance Ion 83.00 (82.70 to 83.70): B0912009.D
 3500 Ion 85.00 (84.70 to 85.70): B0912009.D

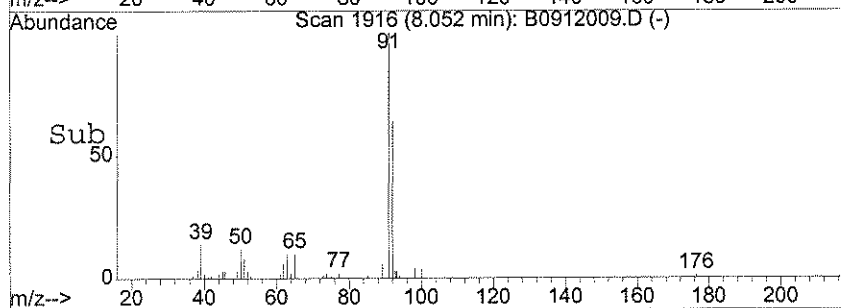
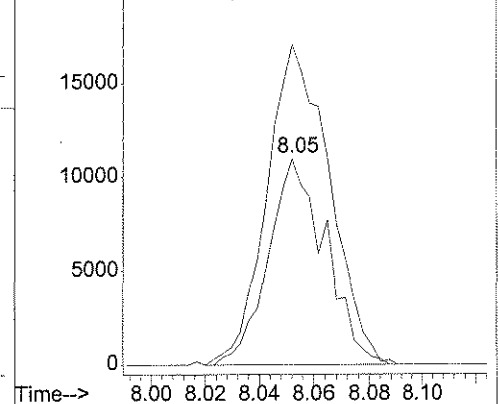


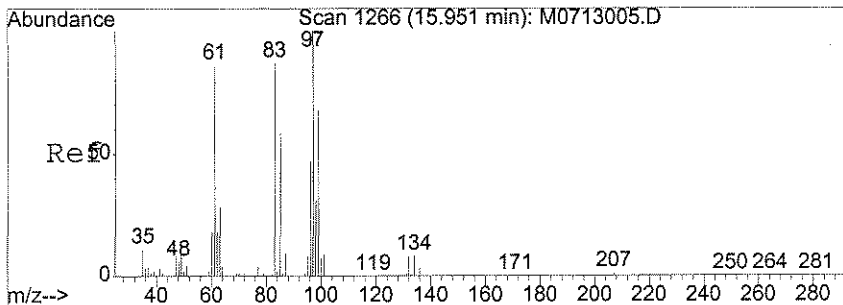
#53
 Toluene
 Concen: 0.62 ug/l
 RT: 8.05 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: B0912009.D
 Acq: 12 Sep 2006 14:42

Tgt Ion: 92 Resp: 15925
 Ion Ratio Lower Upper
 92 100
 91 170.8 133.2 199.8



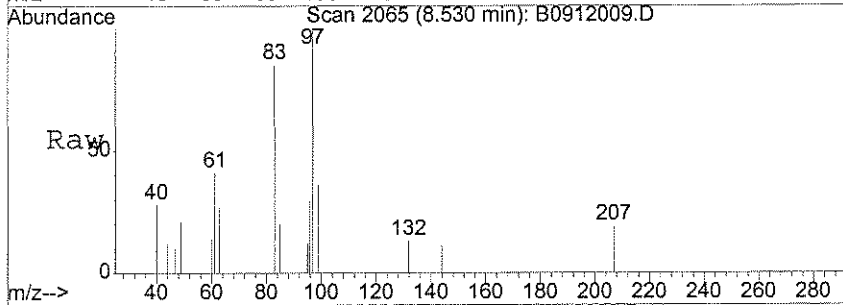
Abundance Ion 92.05 (91.75 to 92.75): B0912009.D
 20000 Ion 91.05 (90.75 to 91.75): B0912009.D



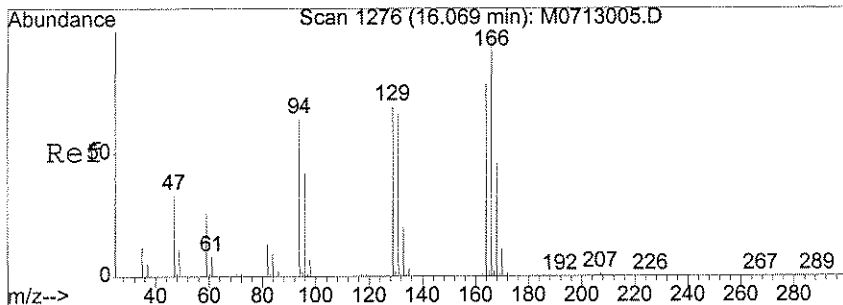
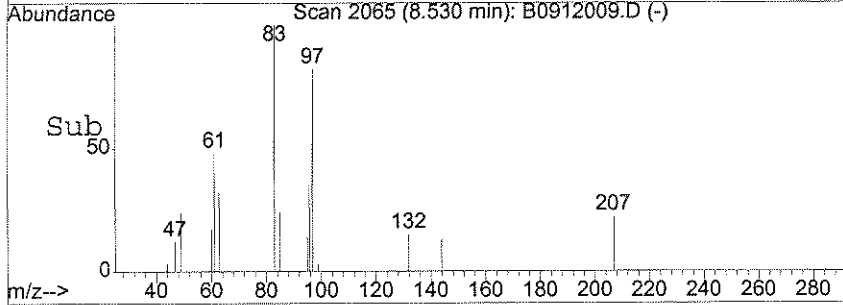
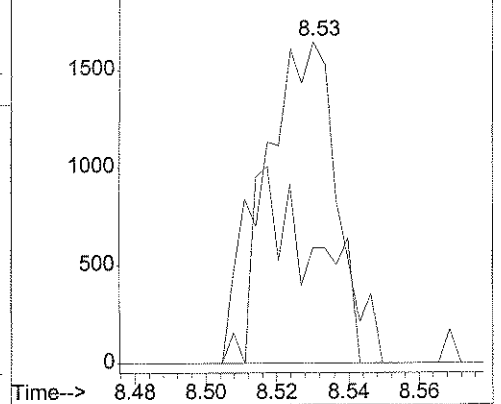


#56
 1,1,2-Trichloroethane
 Concen: 0.42 ug/l
 RT: 8.53 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: B0912009.D
 Acq: 12 Sep 2006 14:42

Tgt Ion	Resp	Lower	Upper
97	2382		
97	100		
99	36.6	43.7	83.7#

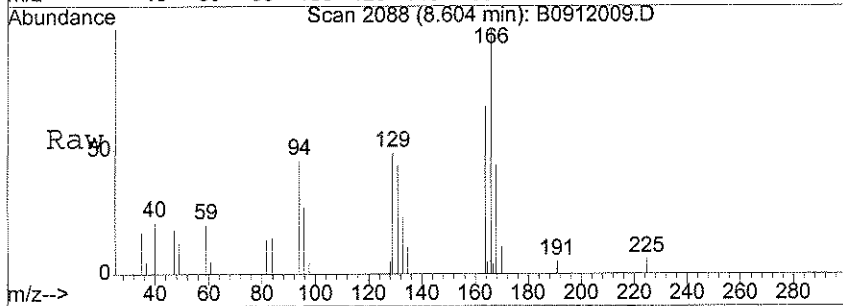


Abundance Ion 97.00 (96.70 to 97.70): B0912009.D
 Ion 99.00 (98.70 to 99.70): B0912009.D

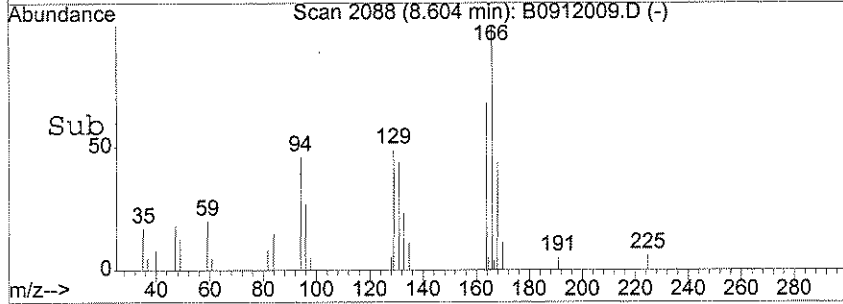
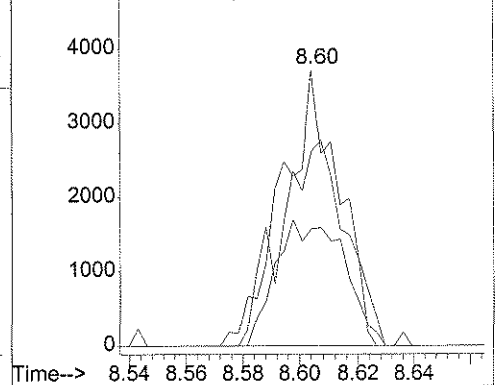


#57
 Tetrachloroethene
 Concen: 0.36 ug/l
 RT: 8.60 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: B0912009.D
 Acq: 12 Sep 2006 14:42

Tgt Ion	Resp	Lower	Upper
166	5252		
166	100		
164	80.3	60.8	91.2
168	23.7	39.4	59.0#



Abundance Ion 165.95 (165.65 to 166.65): B0912009.D
 Ion 163.95 (163.65 to 164.65): B0912009.D
 Ion 167.95 (167.65 to 168.65): B0912009.D



Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912009.D Vial: 7
Acq On : 12 Sep 2006 14:42 Operator: DGA
Sample : JPL20-003 DUPE-3-3Q06 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0912009.D 826025ML.M Tue Sep 19 10:49:12 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-4-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-004
 Lab File ID: B0912010.D
 Date Collected: 08/30/2006
 Date/Time Analyzed: 09/12/2006 15:12
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	2.2	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	13	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	31	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	3.2	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-4-3Q06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-004

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912010.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/12/2006 15:12

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	7.2	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-4-3Q06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-004

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912010.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/12/2006 15:12

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DUPE-4-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-004
 Lab File ID: B0912010.D
 Date Collected: 08/31/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

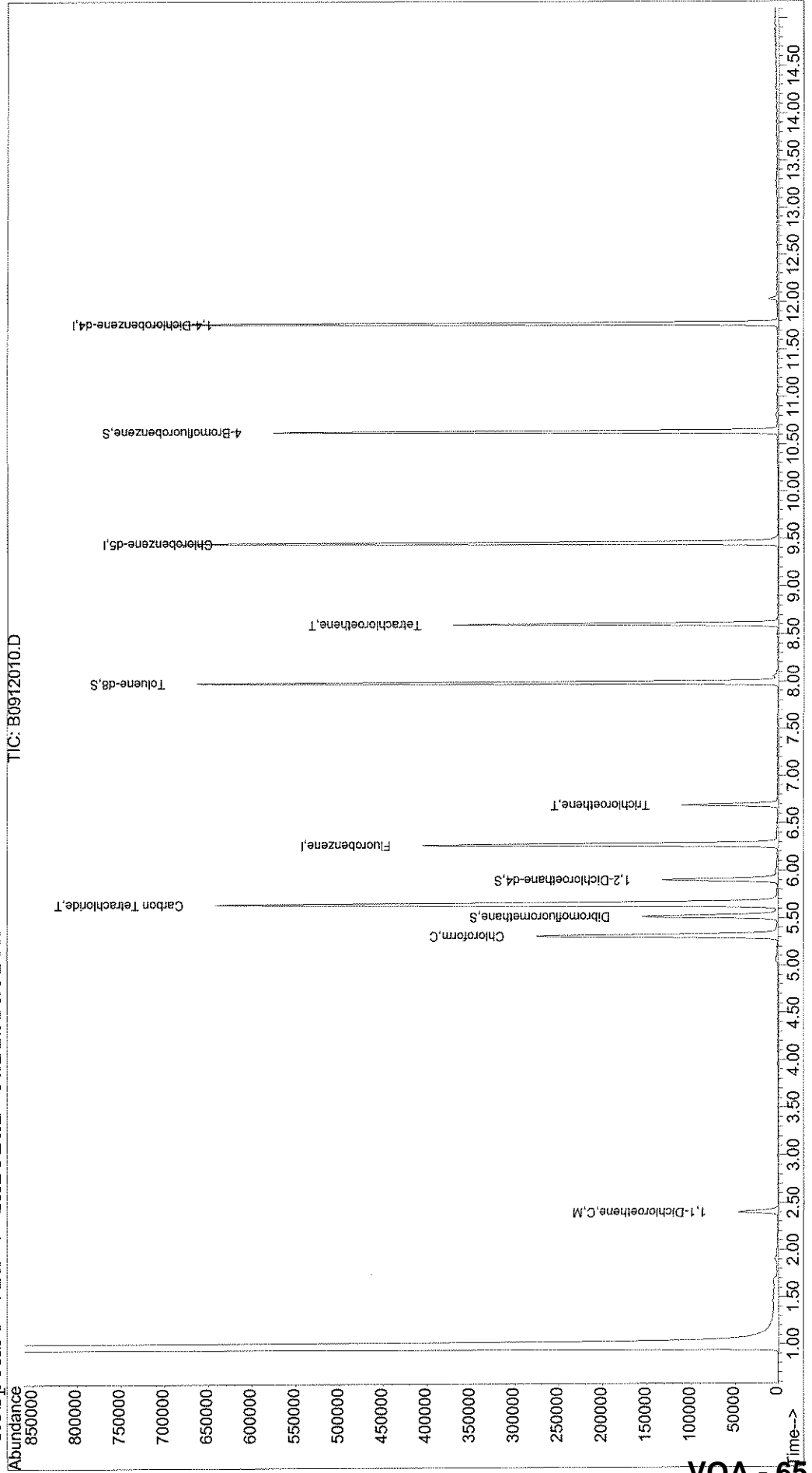
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912010.D Vial: 8
Acq On : 12 Sep 2006 15:12 Operator: DGA
Sample : JPL20-004 DUPE-4-3Q06 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 9:26 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 65

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912010.D
 Acq On : 12 Sep 2006 15:12
 Sample : JPL20-004 DUPE-4-3Q06
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 9:26 2006

Vial: 8
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	6.27	96	352423	10.00	ug/l	0.00	74.90%
51) Chlorobenzene-d5	9.45	82	181031	10.00	ug/l	0.00	78.25%
71) 1,4-Dichlorobenzene-d4	11.77	152	180373	10.00	ug/l	0.00	64.92%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	102923	10.57	ug/l	0.00	
38) 1,2-Dichloroethane-d4	5.90	65	113303	10.64	ug/l	0.00	
52) Toluene-d8	7.98	98	392901	10.26	ug/l	0.00	
72) 4-Bromofluorobenzene	10.63	95	150277	11.06	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.23	50	259	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	1.90	101	2486	Below Cal	#	91
8) 1,1-Dichloroethene	2.40	96	15477	2.22	ug/l #	82
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	2.41	101	1813	N.D.		
11) Acetone	2.53	43	69	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.60	76	240	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	3.36	73	67	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.07	43	31	N.D.		
23) 1,1-Dichloroethane	3.95	63	1507	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.74	77	34	N.D.		
26) cis-1,2-Dichloroethene	4.78	96	41	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0912010.D 826025ML.M Tue Sep 19 09:26:32 2006

J 29/13/06
 Page 1
 VOA - 66

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912010.D
 Acq On : 12 Sep 2006 15:12
 Sample : JPL20-004 DUPE-4-3Q06
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 9:26 2006

Vial: 8
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	4.96	54	29		N.D.	
28) 2-Butanone	4.88	43	29		N.D.	
29) Bromochloromethane	5.19	128	43		N.D.	
30) Methacrylonitrile	0.00	41	0		N.D. d	
31) Chloroform	5.31	83	253400	13.44	ug/l	92
33) 1,1,1-Trichloroethane	5.44	97	33		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	5.65	117	490552	31.15	ug/l	99
36) Isobutanol	6.03	43	30		Below Cal #	50
37) 1,1-Dichloropropene	5.67	75	58		N.D.	
39) Benzene	5.91	78	84		N.D.	
40) 1,2-Dichloroethane	5.99	62	747		N.D.	
41) Trichloroethene	6.69	130	35360	3.18	ug/l	91
42) Methylcyclohexane	6.78	83	40		N.D.	
43) 1,2-Dichloropropane	6.95	63	32		N.D.	
44) Dibromomethane	7.04	93	32		N.D.	
45) Methyl methacrylate	7.07	41	42		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D. d	
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	7.28	83	311		N.D.	
49) cis-1,3-Dichloropropene	7.79	75	43		N.D.	
50) 4-Methyl-2-pentanone	7.94	43	85		N.D.	
53) Toluene	8.05	92	688		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D. d	
55) trans-1,3-Dichloropropene	8.47	75	43		N.D.	
56) 1,1,2-Trichloroethane	8.59	97	446		N.D.	
57) Tetrachloroethene	8.60	166	104739	7.21	ug/l	99
58) 2-Hexanone	8.78	43	35		N.D.	
59) 1,3-Dichloropropane	8.62	76	33		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	0.00	107	0		N.D.	
62) Chlorobenzene	9.47	112	33		N.D.	
63) 1-Chlorohexane	9.58	91	87		N.D.	
64) Ethylbenzene	9.58	91	87		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.58	131	30		N.D.	
66) m,p-Xylene	9.70	106	140		N.D.	
67) o-xylene	0.00	106	0		N.D.	
68) Styrene	9.93	104	38		N.D.	
69) Bromoform	10.33	173	207		N.D.	
70) Isopropylbenzene	10.62	105	83		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.64	83	77		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0912010.D 826025ML.M Tue Sep 19 09:26:32 2006

J 09/13/06
 VOA - 67
 Page 2

Quantitation Report

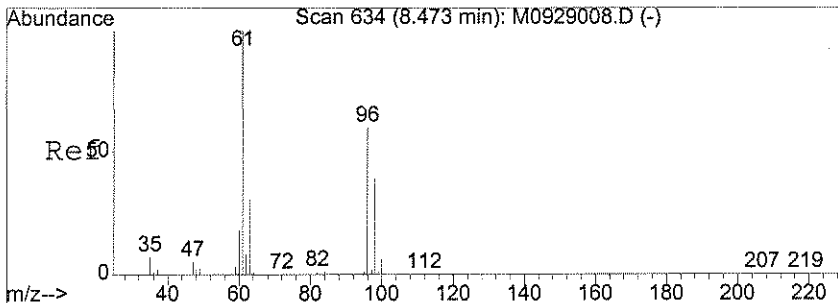
Data File : T:\MSDCHEM\1\DATA\091206\B0912010.D
 Acq On : 12 Sep 2006 15:12
 Sample : JPL20-004 DUPE-4-3Q06
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 9:26 2006

Vial: 8
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

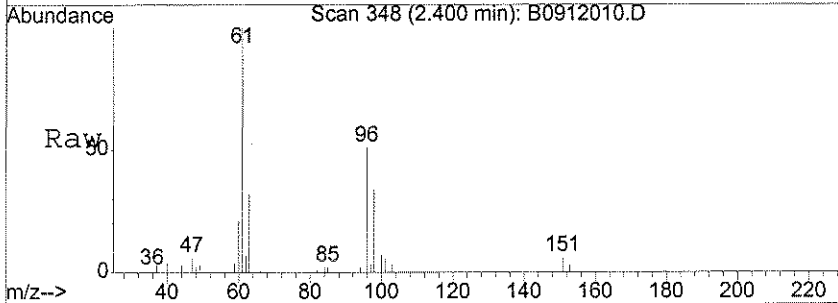
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.98	120	69		N.D.	
75) trans-1,4-Dichloro-2-buten	10.55	53	31		N.D.	
76) Bromobenzene	10.78	156	41		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.87	91	102		N.D.	
79) 1,3,5-Trimethylbenzene	11.02	105	45		N.D.	
80) 4-Chlorotoluene	11.06	91	80		N.D.	
81) tert-Butylbenzene	11.37	119	43		N.D.	
82) 1,2,4-Trimethylbenzene	11.43	105	84		N.D.	
83) sec-butylbenzene	11.57	105	139		N.D.	
84) 4-Isopropyltoluene	11.72	119	135		N.D.	
85) 1,3-Dichlorobenzene	11.73	111	77		N.D.	
86) 1,4-Dichlorobenzene	11.80	146	38		N.D.	
87) n-Butylbenzene	12.13	91	293		N.D.	
88) 1,2-Dichlorobenzene	12.09	146	34		N.D.	
89) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	50		N.D.	
91) Hexachlorobutadiene	13.90	225	39		N.D.	
92) Naphthalene	13.99	128	32		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	54		N.D.	

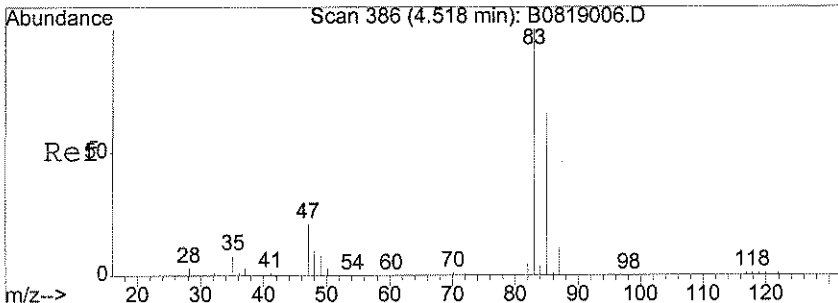
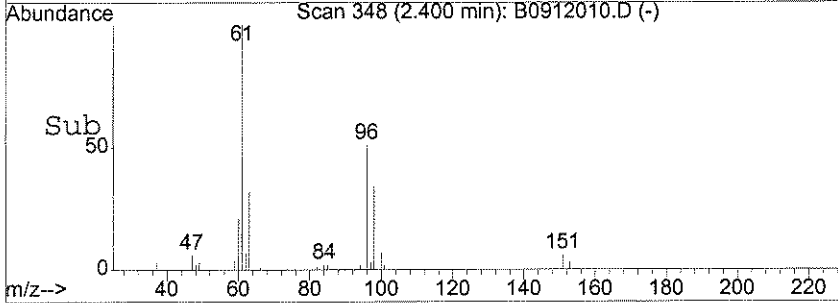
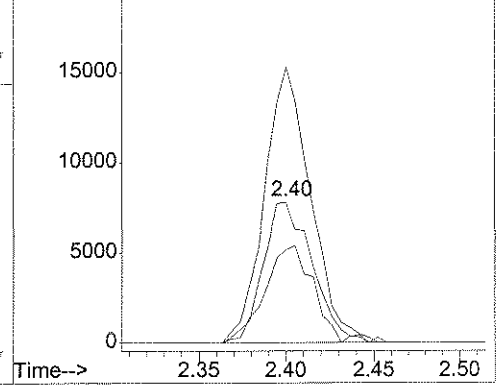


#8
 1,1-Dichloroethene
 Concen: 2.22 ug/l
 RT: 2.40 min Scan# 348
 Delta R.T. 0.01 min
 Lab File: B0912010.D
 Acq: 12 Sep 2006 15:12

Tgt Ion	Resp	Lower	Upper
96	15477		
61	182.3	128.7	168.7#
98	67.1	47.0	87.0

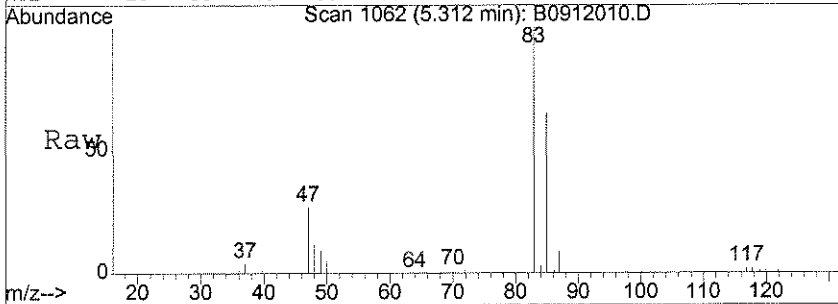


Abundance
 Ion 96.00 (95.70 to 96.70): B0912010.D
 Ion 61.00 (60.70 to 61.70): B0912010.D
 Ion 98.00 (97.70 to 98.70): B0912010.D

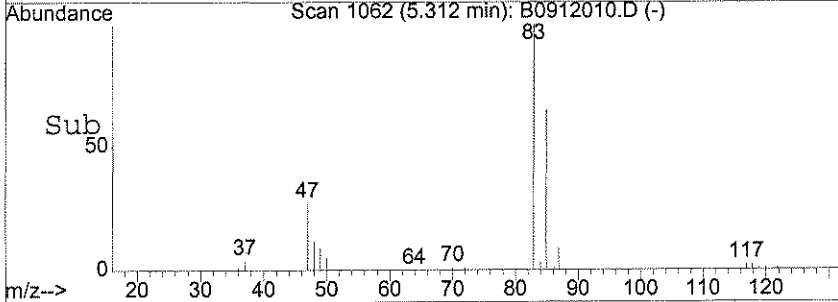
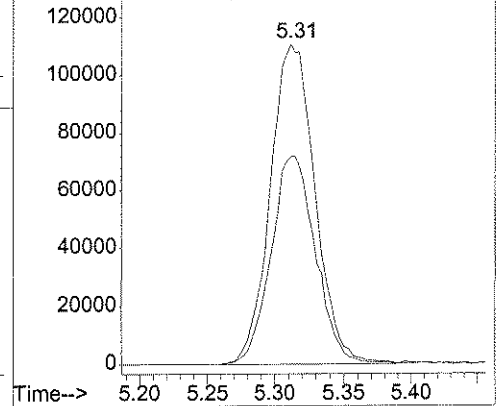


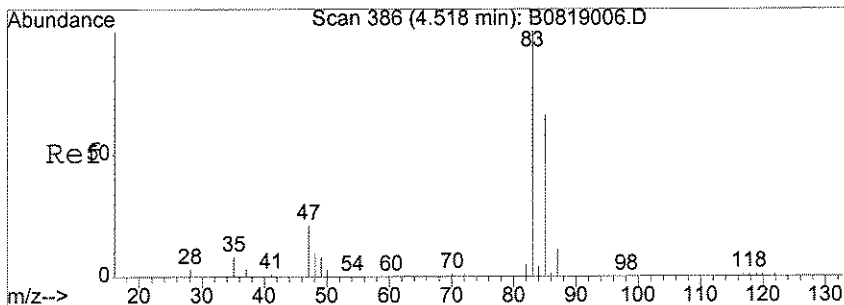
#31
 Chloroform
 Concen: 13.44 ug/l
 RT: 5.31 min Scan# 1062
 Delta R.T. 0.01 min
 Lab File: B0912010.D
 Acq: 12 Sep 2006 15:12

Tgt Ion	Resp	Lower	Upper
83	253400		
85	64.3	38.2	78.2



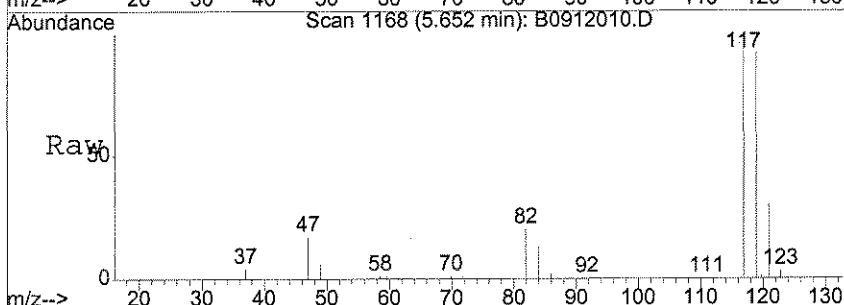
Abundance
 Ion 83.00 (82.70 to 83.70): B0912010.D
 Ion 85.00 (84.70 to 85.70): B0912010.D



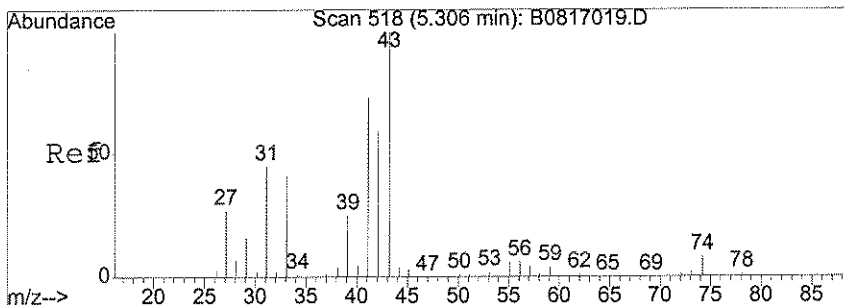
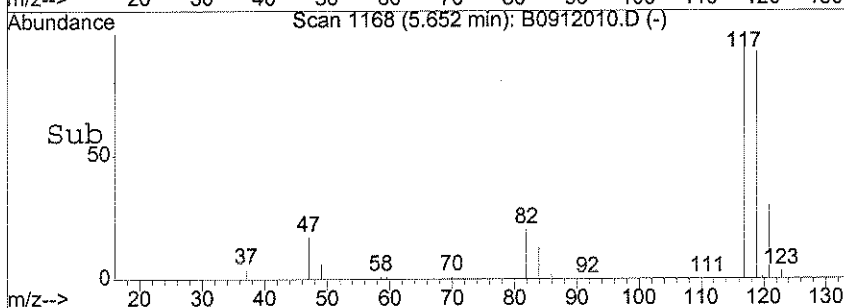
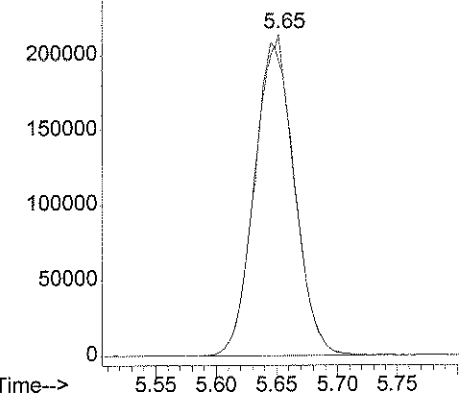


#35
 Carbon Tetrachloride
 Concen: 31.15 ug/l
 RT: 5.65 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: B0912010.D
 Acq: 12 Sep 2006 15:12

Tgt Ion:	117	Resp:	490552
Ion Ratio	Lower	Upper	
117	100		
119	97.5	76.7	116.7

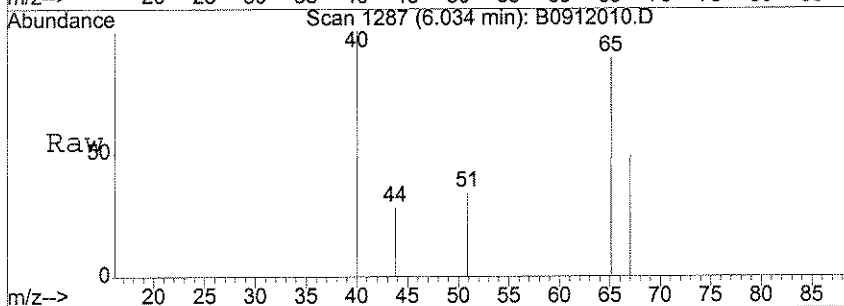


Abundance Ion 117.00 (116.70 to 117.70): B0912010.D
 250000 Ion 119.00 (118.70 to 119.70): B0912010.D

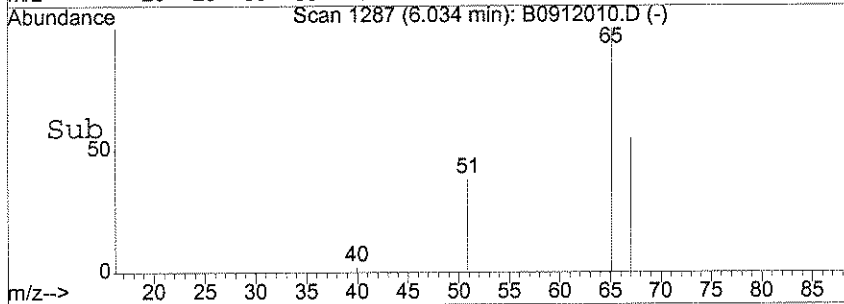
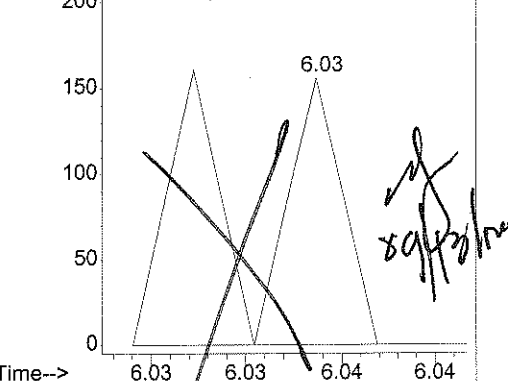


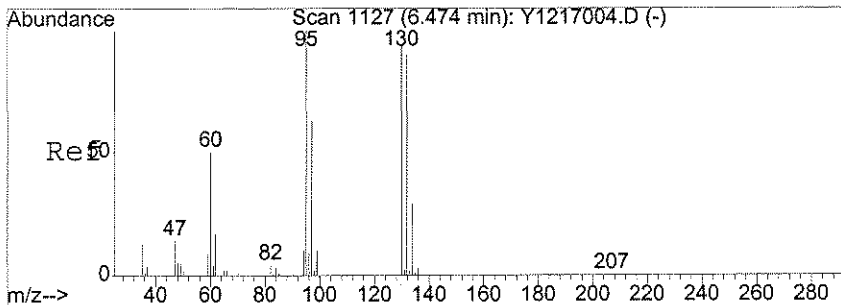
#36
 Isobutanol
 Concen: Below Cal
 RT: 6.03 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: B0912010.D
 Acq: 12 Sep 2006 15:12

Tgt Ion:	43	Resp:	30
Ion Ratio	Lower	Upper	
43	100		
41	103.3	51.1	76.7#
31	0.0	0.0	0.0



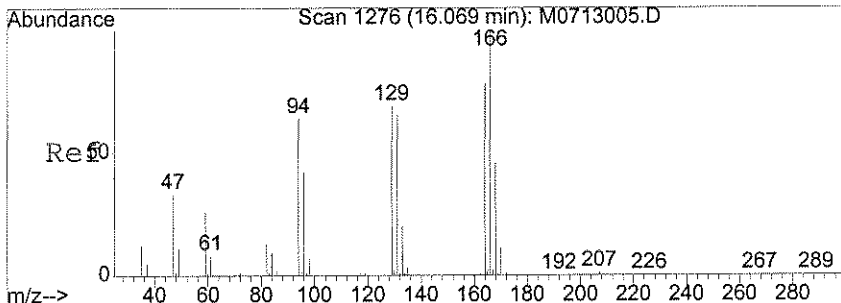
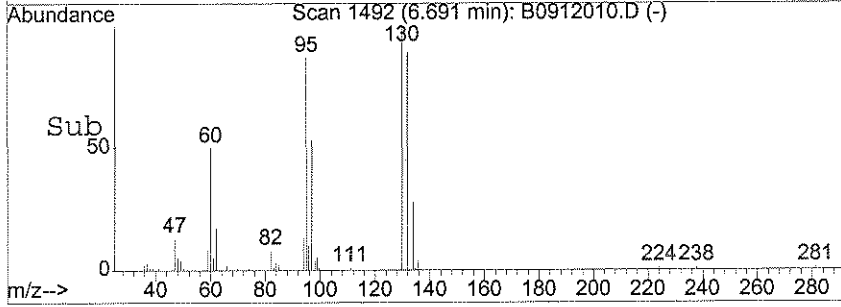
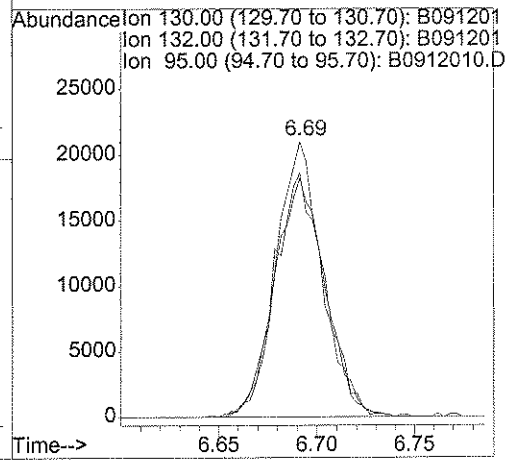
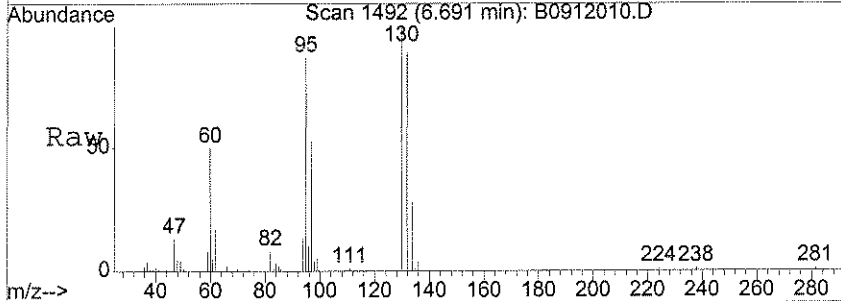
Abundance Ion 43.20 (42.90 to 43.90): B0912010.D
 200 Ion 41.10 (40.80 to 41.80): B0912010.D
 Ion 31.10 (30.80 to 31.80): B0912010.D





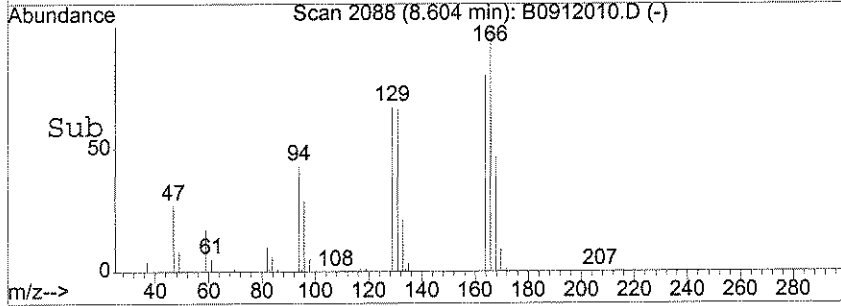
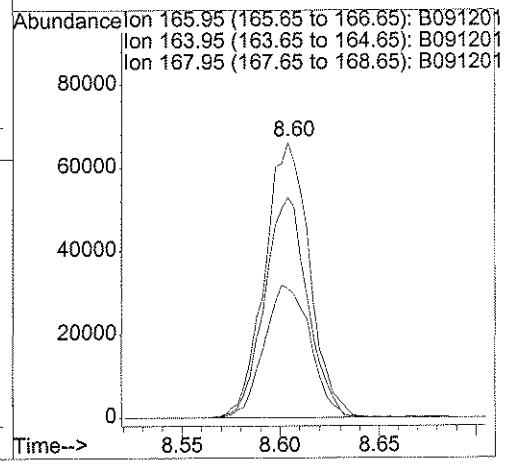
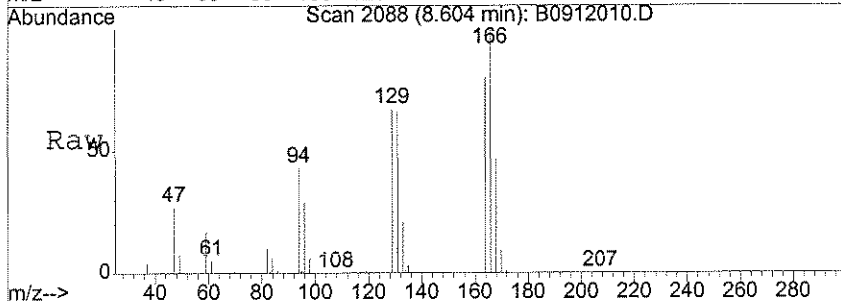
#41
 Trichloroethene
 Concen: 3.18 ug/l
 RT: 6.69 min Scan# 1492
 Delta R.T. 0.01 min
 Lab File: B0912010.D
 Acq: 12 Sep 2006 15:12

Tgt Ion	Resp	Lower	Upper
130	35360		
132	93.3	81.1	121.1
95	89.7	60.0	100.0



#57
 Tetrachloroethene
 Concen: 7.21 ug/l
 RT: 8.60 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: B0912010.D
 Acq: 12 Sep 2006 15:12

Tgt Ion	Resp	Lower	Upper
166	104739		
164	77.1	60.8	91.2
168	49.7	39.4	59.0



Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912010.D Vial: 8
Acq On : 12 Sep 2006 15:12 Operator: DGA
Sample : JPL20-004 DUPE-4-3Q06 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0912010.D 826025ML.M Tue Sep 19 10:38:51 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-12-8/30/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-005

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912012.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/12/2006 16:14

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-12-8/30/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-005

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912012.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/12/2006 16:14

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-12-8/30/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-005

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912012.D

Level: (LOW/MED) _____

Date Collected: 08/30/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/12/2006 16:14

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-12-8/30/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-005
 Lab File ID: B0912012.D
 Date Collected: 08/31/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

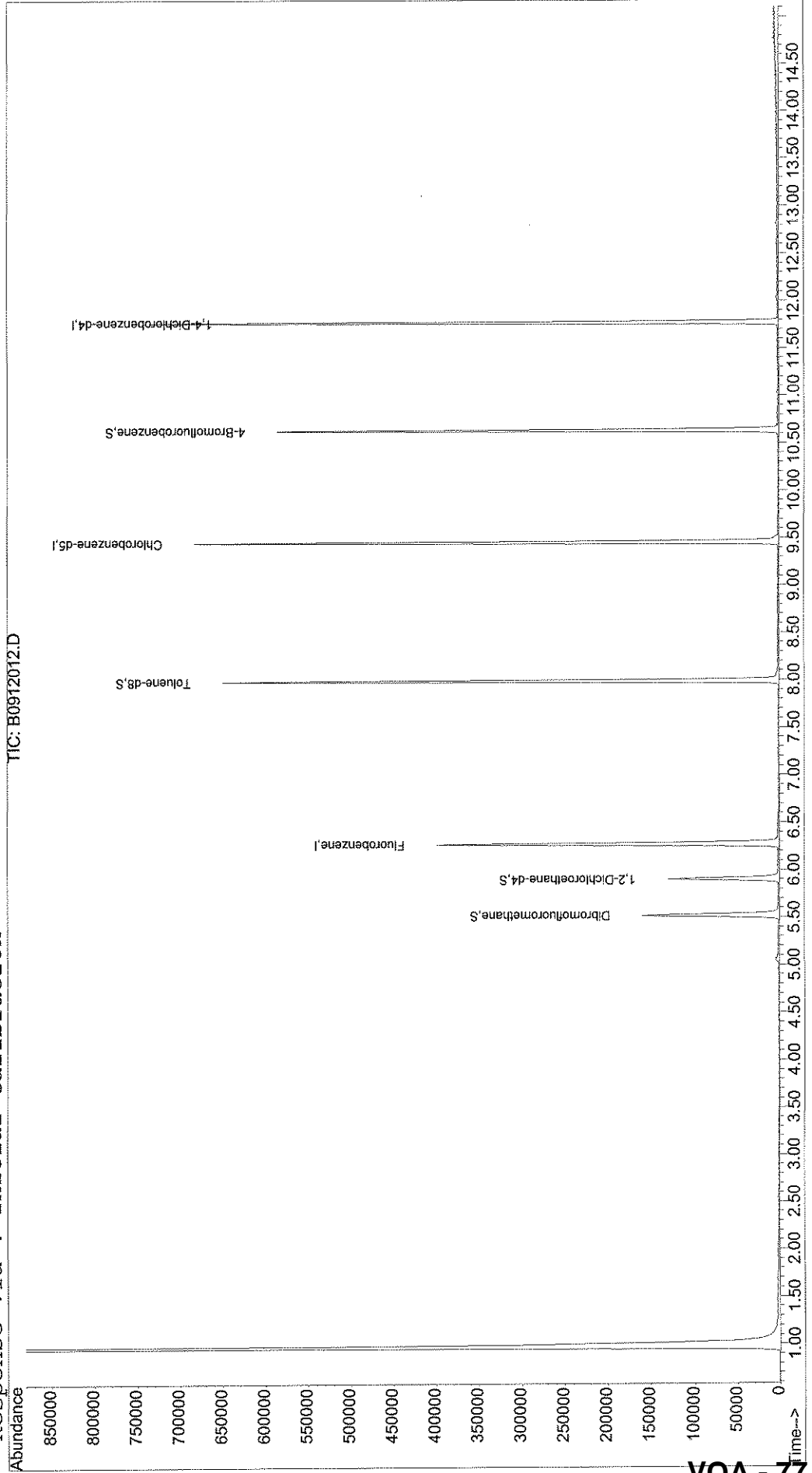
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912012.D Vial: 10
Acq On : 12 Sep 2006 16:14 Operator: DGA
Sample : JPL20-005 TB-12-8/30-2 Inst : Buddha
Misc : #1 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 10:52 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 77

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912012.D
 Acq On : 12 Sep 2006 16:14
 Sample : JPL20-005 TB-12-8/30-2
 Misc : #1 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 10:52 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	336569	10.00	ug/l	0.01 71.53%
51) Chlorobenzene-d5	9.46	82	178301	10.00	ug/l	0.01 77.07%
71) 1,4-Dichlorobenzene-d4	11.77	152	182376	10.00	ug/l	0.00 65.65%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	97187	10.46	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.91	65	103214	10.15	ug/l	0.01
52) Toluene-d8	7.98	98	382917	10.16	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	147444	10.73	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.48	43	72	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	144	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.07	43	30	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	4.91	96	43	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912012.D
 Acq On : 12 Sep 2006 16:14
 Sample : JPL20-005 TB-12-8/30-2
 Misc : #1 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 10:52 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	0.00	54	0		N.D.	
28) 2-Butanone	0.00	43	0		N.D.	d
29) Bromochloromethane	5.05	128	41		N.D.	
30) Methacrylonitrile	5.26	41	36		N.D.	
31) Chloroform	5.30	83	113		N.D.	
33) 1,1,1-Trichloroethane	5.35	97	34		N.D.	
34) Cyclohexane	5.45	56	30		N.D.	
35) Carbon Tetrachloride	5.64	117	38		N.D.	
36) Isobutanol	0.00	43	0		N.D.	d
37) 1,1-Dichloropropene	5.60	75	75		N.D.	
39) Benzene	5.91	78	74		N.D.	
40) 1,2-Dichloroethane	5.91	62	30		N.D.	
41) Trichloroethene	6.67	130	32		N.D.	
42) Methylcyclohexane	0.00	83	0		N.D.	
43) 1,2-Dichloropropane	6.90	63	38		N.D.	
44) Dibromomethane	7.01	93	45		N.D.	
45) Methyl methacrylate	6.97	41	36		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	0.00	83	0		N.D.	
49) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
50) 4-Methyl-2-pentanone	7.94	43	58		N.D.	
53) Toluene	8.05	92	71		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	
55) trans-1,3-Dichloropropene	8.18	75	31		N.D.	
56) 1,1,2-Trichloroethane	8.48	97	64		N.D.	
57) Tetrachloroethene	8.62	166	29		N.D.	
58) 2-Hexanone	8.78	43	41		N.D.	
59) 1,3-Dichloropropane	8.74	76	33		N.D.	
60) Dibromochloromethane	9.02	129	33		N.D.	
61) 1,2-Dibromoethane	9.07	107	32		N.D.	
62) Chlorobenzene	9.35	112	50		N.D.	
63) 1-Chlorohexane	9.59	91	82		N.D.	
64) Ethylbenzene	9.59	91	82		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.36	131	35		N.D.	
66) m,p-Xylene	9.70	106	146		N.D.	
67) o-xylene	10.10	106	130		N.D.	
68) Styrene	10.12	104	33		N.D.	
69) Bromoform	10.49	173	31		N.D.	
70) Isopropylbenzene	10.45	105	84		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.76	83	50		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0912012.D 826025ML.M Tue Sep 19 10:52:09 2006

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912012.D
 Acq On : 12 Sep 2006 16:14
 Sample : JPL20-005 TB-12-8/30-2
 Misc : #1 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 10:52 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.93	120	48		N.D.	
75) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
76) Bromobenzene	10.76	156	40		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
78) 2-Chlorotoluene	10.95	91	30		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	60		N.D.	
80) 4-Chlorotoluene	11.07	91	33		N.D.	
81) tert-Butylbenzene	11.36	119	39		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	43		N.D.	
83) sec-butylbenzene	11.58	105	37		N.D.	
84) 4-Isopropyltoluene	11.72	119	68		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.79	146	212		N.D.	
87) n-Butylbenzene	12.14	91	102		N.D.	
88) 1,2-Dichlorobenzene	12.00	146	30		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.99	157	34		N.D.	
90) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	
91) Hexachlorobutadiene	13.91	225	39		N.D.	
92) Naphthalene	13.99	128	38		N.D.	
93) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0912012.D 826025ML.M Tue Sep 19 10:52:09 2006

Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912012.D Vial: 10
Acq On : 12 Sep 2006 16:14 Operator: DGA
Sample : JPL20-005 TB-12-8/30-2 Inst : Buddha
Misc : #1 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0912012.D 826025ML.M Tue Sep 19 10:52:13 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-7

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010495

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-006

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0912011.D

Level: (LOW/MED) _____

Date Collected: 08/31/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/12/2006 15:42

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-7

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-006
 Lab File ID: B0912011.D
 Date Collected: 08/31/2006
 Date/Time Analyzed: 09/12/2006 15:42
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-7

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-006
 Lab File ID: B0912011.D
 Date Collected: 09/01/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

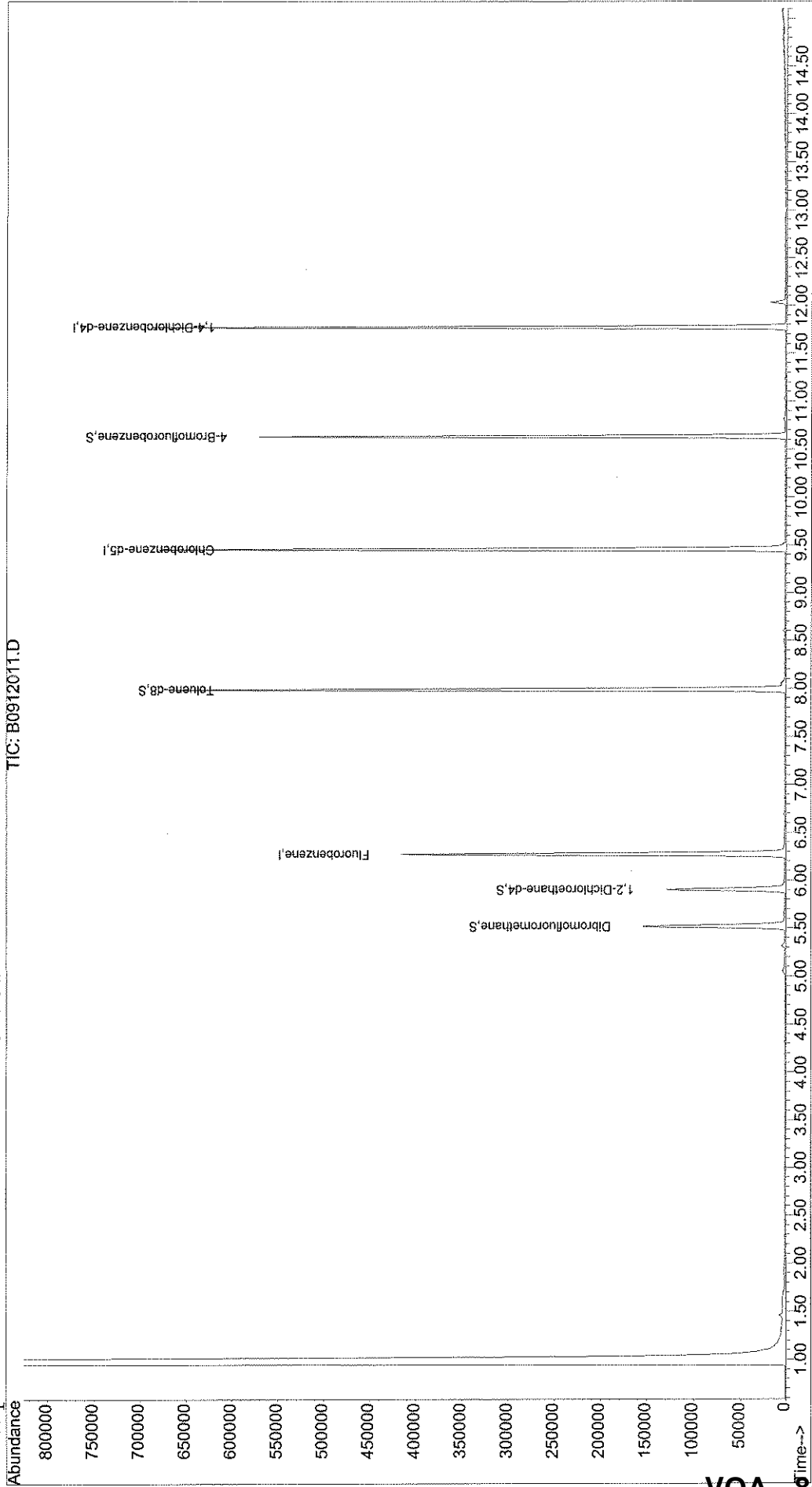
01	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912011.D Vial: 9
Acq On : 12 Sep 2006 15:42 Operator: DGA
Sample : JPL20-006 MW-7 Inst : Buddha
Misc : #1 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 10:46 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260 - 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 85

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912011.D
 Acq On : 12 Sep 2006 15:42
 Sample : JPL20-006 MW-7
 Misc : #1 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 10:46 2006

Vial: 9
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	6.27	96	345617	10.00	ug/l	0.01 73.45%
51) Chlorobenzene-d5	9.45	82	177054	10.00	ug/l	0.00 76.54%
71) 1,4-Dichlorobenzene-d4	11.77	152	167940	10.00	ug/l	0.00 60.45%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	99334	10.41	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.91	65	108556	10.39	ug/l	0.01
52) Toluene-d8	7.99	98	393474	10.51	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	142840	11.29	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	165	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.46	43	78	N.D.		
12) Iodomethane	2.56	142	73	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.04	43	36	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.76	77	38	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912011.D
 Acq On : 12 Sep 2006 15:42
 Sample : JPL20-006 MW-7
 Misc : #1 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 10:46 2006

Vial: 9
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	5.03	54	35		N.D.	
28) 2-Butanone	4.94	43	41		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	5.17	41	35		N.D.	
31) Chloroform	5.32	83	2792		N.D.	
33) 1,1,1-Trichloroethane	5.45	97	29		N.D.	
34) Cyclohexane	5.47	56	31		N.D.	
35) Carbon Tetrachloride	5.64	117	263		N.D.	
36) Isobutanol	0.00	43	0		N.D.	d
37) 1,1-Dichloropropene	5.72	75	35		N.D.	
39) Benzene	5.92	78	101		N.D.	
40) 1,2-Dichloroethane	6.00	62	32		N.D.	
41) Trichloroethene	6.69	130	614		N.D.	
42) Methylcyclohexane	6.84	83	52		N.D.	
43) 1,2-Dichloropropane	7.03	63	38		N.D.	
44) Dibromomethane	0.00	93	0		N.D.	
45) Methyl methacrylate	7.09	41	33		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	7.51	63	31		N.D.	
48) Bromodichloromethane	7.29	83	102		N.D.	
49) cis-1,3-Dichloropropene	7.60	75	36		N.D.	
50) 4-Methyl-2-pentanone	7.96	43	103		N.D.	
53) Toluene	8.05	92	440		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.32	75	34		N.D.	
56) 1,1,2-Trichloroethane	8.66	97	46		N.D.	
57) Tetrachloroethene	8.60	166	210		N.D.	
58) 2-Hexanone	8.76	43	33		N.D.	
59) 1,3-Dichloropropane	0.00	76	0		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	8.98	107	34		N.D.	
62) Chlorobenzene	0.00	112	0		N.D.	
63) 1-Chlorohexane	9.58	91	32		N.D.	
64) Ethylbenzene	9.58	91	32		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-Xylene	9.69	106	39		N.D.	
67) o-xylene	10.11	106	35		N.D.	
68) Styrene	0.00	104	0		N.D.	
69) Bromoform	10.35	173	38		N.D.	
70) Isopropylbenzene	10.37	105	32		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.71	83	42		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0912011.D 826025ML.M Tue Sep 19 10:46:10 2006

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912011.D
 Acq On : 12 Sep 2006 15:42
 Sample : JPL20-006 MW-7
 Misc : #1 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 10:46 2006

Vial: 9
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.96	120	41		N.D.	
75) trans-1,4-Dichloro-2-buten	10.53	53	31		N.D.	
76) Bromobenzene	10.74	156	48		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.99	91	30		N.D.	
79) 1,3,5-Trimethylbenzene	11.24	105	49		N.D.	
80) 4-Chlorotoluene	10.99	91	30		N.D.	
81) tert-Butylbenzene	11.30	119	33		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	31		N.D.	
83) sec-butylbenzene	11.51	105	32		N.D.	
84) 4-Isopropyltoluene	11.73	119	134		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.81	146	39		N.D.	
87) n-Butylbenzene	12.14	91	129		N.D.	
88) 1,2-Dichlorobenzene	12.41	146	42		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.82	157	48		N.D.	
90) 1,2,4-Trichlorobenzene	13.74	180	37		N.D.	
91) Hexachlorobutadiene	13.91	225	50		N.D.	
92) Naphthalene	13.99	128	53		N.D.	
93) 1,2,3-Trichlorobenzene	14.25	180	31		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0912011.D 826025ML.M Tue Sep 19 10:46:10 2006

Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091206\B0912011.D Vial: 9
Acq On : 12 Sep 2006 15:42 Operator: DGA
Sample : JPL20-006 MW-7 Inst : Buddha
Misc : #1 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0912011.D 826025ML.M Tue Sep 19 10:49:32 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-007
 Lab File ID: B0913007.D
 Date Collected: 08/31/2006
 Date/Time Analyzed: 09/13/2006 11:00
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-007

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913007.D

Level: (LOW/MED) _____

Date Collected: 08/31/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/13/2006 11:00

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-8

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-007
 Lab File ID: B0913007.D
 Date Collected: 08/31/2006
 Date/Time Analyzed: 09/13/2006 11:00
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-8

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-007
 Lab File ID: B0913007.D
 Date Collected: 09/01/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

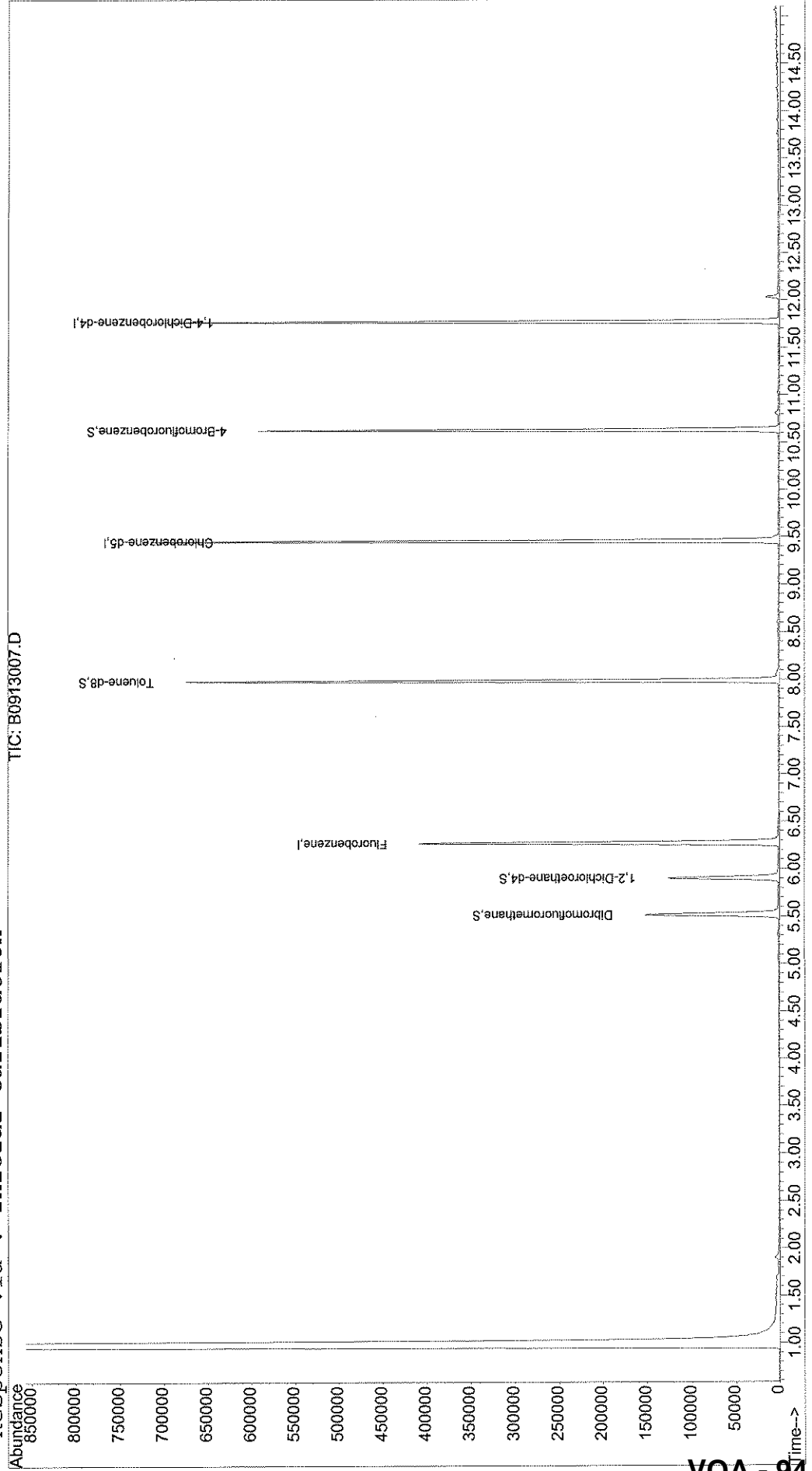
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913007.D Vial: 5
Acq On : 13 Sep 2006 11:00 Operator: DGA
Sample : JPL20-007 MW-8 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 11:02 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260 - 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913007.D
 Acq On : 13 Sep 2006 11:00
 Sample : JPL20-007 MW-8
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:02 2006

Vial: 5
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	6.27	96	354823	10.00	ug/l	0.01	75.41%
51) Chlorobenzene-d5	9.45	82	184156	10.00	ug/l	0.00	79.61%
71) 1,4-Dichlorobenzene-d4	11.77	152	175774	10.00	ug/l	0.00	63.27%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	102140	10.42	ug/l	0.01	
38) 1,2-Dichloroethane-d4	5.91	65	110363	10.29	ug/l	0.01	
52) Toluene-d8	7.99	98	398315	10.23	ug/l	0.00	
72) 4-Bromofluorobenzene	10.63	95	147404	11.13	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	1.90	101	3798	Below Cal	#	90
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.62	76	294	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.10	43	38	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0913007.D 826025ML.M Tue Sep 19 11:02:42 2006

Signature
 Page 1
VOA - 95

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913007.D
 Acq On : 13 Sep 2006 11:00
 Sample : JPL20-007 MW-8
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:02 2006

Vial: 5
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	5.08	54	48		N.D.	
28) 2-Butanone	4.91	43	34		N.D.	
29) Bromochloromethane	5.20	128	41		N.D.	
30) Methacrylonitrile	5.27	41	38		N.D.	
31) Chloroform	5.30	83	151		N.D.	
33) 1,1,1-Trichloroethane	5.48	97	29		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	5.65	117	171		N.D.	
36) Isobutanol	0.00	43	0		N.D.	d
37) 1,1-Dichloropropene	5.58	75	50		N.D.	
39) Benzene	5.90	78	37		N.D.	
40) 1,2-Dichloroethane	0.00	62	0		N.D.	
41) Trichloroethene	6.69	130	66		N.D.	
42) Methylcyclohexane	0.00	83	0		N.D.	
43) 1,2-Dichloropropane	0.00	63	0		N.D.	
44) Dibromomethane	0.00	93	0		N.D.	
45) Methyl methacrylate	7.11	41	31		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	d
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	7.29	83	398		N.D.	
49) cis-1,3-Dichloropropene	7.61	75	32		N.D.	
50) 4-Methyl-2-pentanone	7.88	43	70		N.D.	
53) Toluene	8.05	92	325		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	
55) trans-1,3-Dichloropropene	8.49	75	32		N.D.	
56) 1,1,2-Trichloroethane	8.58	97	39		N.D.	
57) Tetrachloroethene	8.60	166	335		N.D.	
58) 2-Hexanone	8.78	43	34		N.D.	
59) 1,3-Dichloropropane	0.00	76	0		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	0.00	107	0		N.D.	
62) Chlorobenzene	9.47	112	135		N.D.	
63) 1-Chlorohexane	9.59	91	60		N.D.	
64) Ethylbenzene	9.58	91	140		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.59	131	37		N.D.	
66) m,p-Xylene	9.70	106	182		N.D.	
67) o-xylene	10.10	106	30		N.D.	
68) Styrene	10.11	104	83		N.D.	
69) Bromoform	10.18	173	32		N.D.	
70) Isopropylbenzene	10.46	105	51		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.79	83	33		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913007.D 826025ML.M Tue Sep 19 11:02:42 2006

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913007.D
 Acq On : 13 Sep 2006 11:00
 Sample : JPL20-007 MW-8
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:02 2006

Vial: 5
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.86	120	35		N.D.	
75) trans-1,4-Dichloro-2-buten	10.65	53	40		N.D.	
76) Bromobenzene	10.78	156	29		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.88	91	66		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	117		N.D.	
80) 4-Chlorotoluene	11.07	91	40		N.D.	
81) tert-Butylbenzene	11.35	119	30		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	58		N.D.	
83) sec-butylbenzene	11.58	105	188		N.D.	
84) 4-Isopropyltoluene	11.71	119	108		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.79	146	91		N.D.	
87) n-Butylbenzene	12.13	91	494		N.D.	
88) 1,2-Dichlorobenzene	12.16	146	134		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.01	157	66		N.D.	
90) 1,2,4-Trichlorobenzene	13.74	180	78		N.D.	
91) Hexachlorobutadiene	13.89	225	41		N.D.	
92) Naphthalene	14.00	128	35		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	335		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913007.D 826025ML.M Tue Sep 19 11:02:43 2006

Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913007.D Vial: 5
Acq On : 13 Sep 2006 11:00 Operator: DGA
Sample : JPL20-007 MW-8 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913007.D 826025ML.M Tue Sep 19 11:02:47 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Dupe-5-3Q06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-008

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913008.D

Level: (LOW/MED) _____

Date Collected: 08/31/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/13/2006 11:42

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Dupe-5-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-008
 Lab File ID: B0913008.D
 Date Collected: 08/31/2006
 Date/Time Analyzed: 09/13/2006 11:42
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
10061-02-	trans-1,3-Dichloropropene	0.50		U
79-00-5	1,1,2-Trichloroethane	0.50		U
127-18-4	Tetrachloroethene	0.50		U
142-28-9	1,3-Dichloropropane	0.50		U
124-48-1	Dibromochloromethane	0.50		U
106-93-4	1,2-Dibromoethane	0.50		U
108-90-7	Chlorobenzene	0.50		U
100-41-4	Ethylbenzene	0.50		U
630-20-6	1,1,1,2-Tetrachloroethane	0.50		U
179601-23	m,p-Xylene	1.0		U
95-47-6	o-Xylene	0.50		U
100-42-5	Styrene	0.50		U
75-25-2	Bromoform	0.50		U
98-82-8	Isopropylbenzene	0.50		U
79-34-5	1,1,2,2-Tetrachloroethane	0.50		U
103-65-1	n-Propylbenzene	0.50		U
108-86-1	Bromobenzene	0.50		U
96-18-4	1,2,3-Trichloropropane	0.50		U
95-49-8	2-Chlorotoluene	0.50		U
108-67-8	1,3,5-Trimethylbenzene	0.50		U
106-43-4	4-Chlorotoluene	0.50		U
98-06-6	tert-Butylbenzene	0.50		U
95-63-6	1,2,4-Trimethylbenzene	0.50		U
135-98-8	sec-Butylbenzene	0.50		U
99-87-6	4-Isopropyltoluene	0.50		U
541-73-1	1,3-Dichlorobenzene	0.50		U
106-46-7	1,4-Dichlorobenzene	0.50		U
104-51-8	n-Butylbenzene	0.50		U
95-50-1	1,2-Dichlorobenzene	0.50		U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

Dupe-5-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-008
 Lab File ID: B0913008.D
 Date Collected: 08/31/2006
 Date/Time Analyzed: 09/13/2006 11:42
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Dupe-5-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-008
 Lab File ID: B0913008.D
 Date Collected: 09/01/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

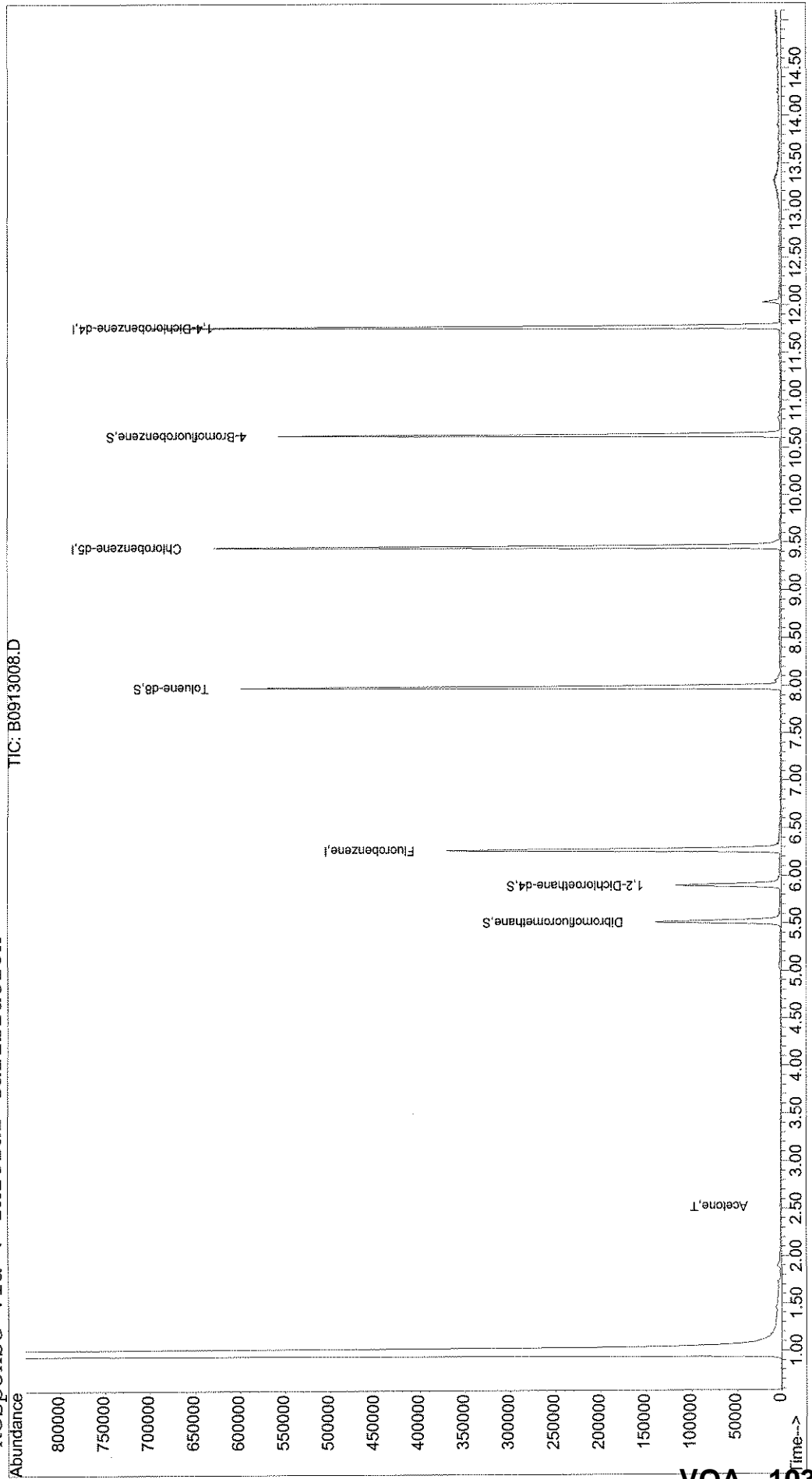
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913008.D Vial: 6
Acq On : 13 Sep 2006 11:42 Operator: DGA
Sample : JPL20-008 DUPE-5-3QC6 Inst : Buddha
Misc : #3 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 11:05 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260 - 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913008.D
 Acq On : 13 Sep 2006 11:42
 Sample : JPL20-008 DUPE-5-3QC6
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:05 2006

Vial: 6
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)	Rcv (Ar)
1) Fluorobenzene	6.27	96	311342	10.00	ug/l	0.01	66.17%
51) Chlorobenzene-d5	9.45	82	167814	10.00	ug/l	0.00	72.54%
71) 1,4-Dichlorobenzene-d4	11.77	152	175485	10.00	ug/l	0.00	63.17%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	88506	10.29	ug/l	0.01	
38) 1,2-Dichloroethane-d4	5.90	65	97428	10.35	ug/l	0.01	
52) Toluene-d8	7.99	98	355310	10.01	ug/l	0.00	
72) 4-Bromofluorobenzene	10.63	95	141145	10.67	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	79	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	1.90	101	3627	Below Cal	#	94
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.53	43	1622m	2.41	ug/l #	53
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	161	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	2.85	43	69	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.07	43	43	N.D.		
23) 1,1-Dichloroethane	4.01	63	39	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.73	77	31	N.D.		
26) cis-1,2-Dichloroethene	4.78	96	43	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0913008.D 826025ML.M Tue Sep 19 11:05:44 2006

09/19/06
 Page 1
 VOA - 104

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913008.D
 Acq On : 13 Sep 2006 11:42
 Sample : JPL20-008 DUPE-5-3QC6
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:05 2006

Vial: 6
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	5.00	54	37		N.D.	
28) 2-Butanone	4.92	43	36		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	5.16	41	35		N.D.	
31) Chloroform	5.30	83	412		N.D.	
33) 1,1,1-Trichloroethane	5.52	97	30		N.D.	
34) Cyclohexane	5.53	56	63		N.D.	
35) Carbon Tetrachloride	5.65	117	29		N.D.	
36) Isobutanol	0.00	43	0		N.D.	d
37) 1,1-Dichloropropene	5.58	75	29		N.D.	
39) Benzene	5.91	78	33		N.D.	
40) 1,2-Dichloroethane	6.06	62	39		N.D.	
41) Trichloroethene	6.69	130	33		N.D.	
42) Methylcyclohexane	6.85	83	43		N.D.	
43) 1,2-Dichloropropane	6.99	63	43		N.D.	
44) Dibromomethane	0.00	93	0		N.D.	
45) Methyl methacrylate	6.98	41	33		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	7.65	63	41		N.D.	
48) Bromodichloromethane	7.29	83	153		N.D.	
49) cis-1,3-Dichloropropene	7.73	75	46		N.D.	
50) 4-Methyl-2-pentanone	0.00	43	0		N.D.	d
53) Toluene	8.06	92	1046		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.37	75	37		N.D.	
56) 1,1,2-Trichloroethane	8.58	97	40		N.D.	
57) Tetrachloroethene	8.60	166	184		N.D.	
58) 2-Hexanone	8.77	43	60		N.D.	
59) 1,3-Dichloropropane	8.69	76	38		N.D.	
60) Dibromochloromethane	8.77	129	36		N.D.	
61) 1,2-Dibromoethane	9.10	107	30		N.D.	
62) Chlorobenzene	9.48	112	42		N.D.	
63) 1-Chlorohexane	9.58	91	200		N.D.	
64) Ethylbenzene	9.58	91	200		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-Xylene	9.70	106	230		N.D.	
67) o-xylene	10.11	106	48		N.D.	
68) Styrene	10.12	104	34		N.D.	
69) Bromoform	10.31	173	44		N.D.	
70) Isopropylbenzene	10.45	105	40		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.63	83	142		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913008.D 826025ML.M Tue Sep 19 11:05:44 2006

Quantitation Report

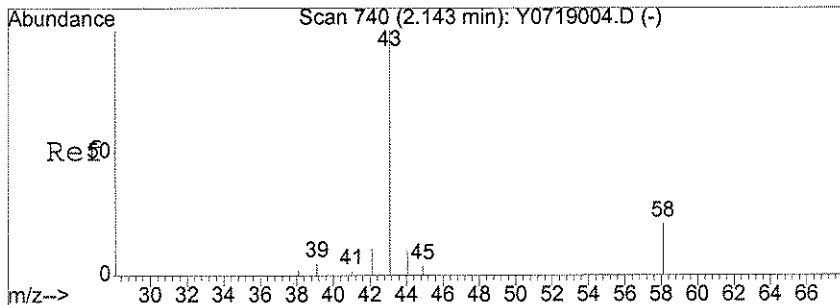
Data File : T:\MSDCHEM\1\DATA\091306\B0913008.D
 Acq On : 13 Sep 2006 11:42
 Sample : JPL20-008 DUPE-5-3QC6
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:05 2006

Vial: 6
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

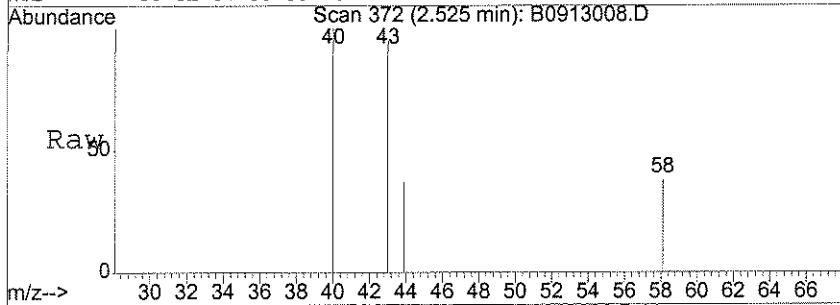
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.87	120	132		N.D.	
75) trans-1,4-Dichloro-2-buten	10.48	53	33		N.D.	
76) Bromobenzene	10.73	156	34		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.96	91	112		N.D.	
79) 1,3,5-Trimethylbenzene	11.04	105	54		N.D.	
80) 4-Chlorotoluene	10.96	91	112		N.D.	
81) tert-Butylbenzene	11.35	119	118		N.D.	
82) 1,2,4-Trimethylbenzene	11.42	105	40		N.D.	
83) sec-butylbenzene	11.57	105	60		N.D.	
84) 4-Isopropyltoluene	11.72	119	267		N.D.	
85) 1,3-Dichlorobenzene	11.76	111	867		N.D.	
86) 1,4-Dichlorobenzene	11.79	146	121		N.D.	
87) n-Butylbenzene	12.13	91	207		N.D.	
88) 1,2-Dichlorobenzene	12.17	146	136		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.94	157	45		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	201		N.D.	
91) Hexachlorobutadiene	13.90	225	223		N.D.	
92) Naphthalene	13.99	128	31		N.D.	
93) 1,2,3-Trichlorobenzene	14.23	180	130		N.D.	

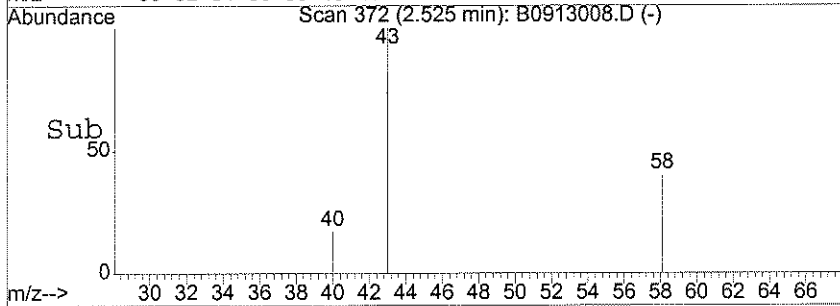
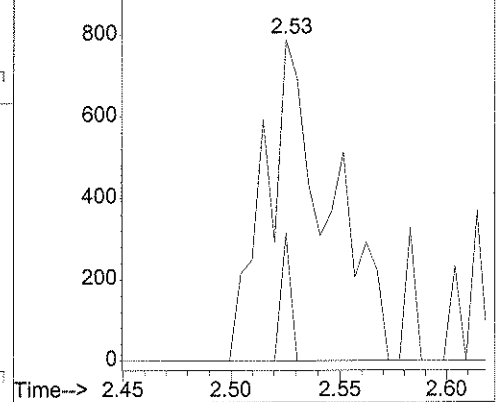


#11
 Acetone
 Concen: 2.41 ug/l m
 RT: 2.53 min Scan# 372
 Delta R.T. 0.02 min
 Lab File: B0913008.D
 Acq: 13 Sep 2006 11:42

Tgt Ion: 43 Resp: 1622
 Ion Ratio Lower Upper
 43 100
 58 6.1 29.2 43.8#



Abundance Ion 43.15 (42.85 to 43.85): B0913008.D
 Ion 58.05 (57.75 to 58.75): B0913008.D



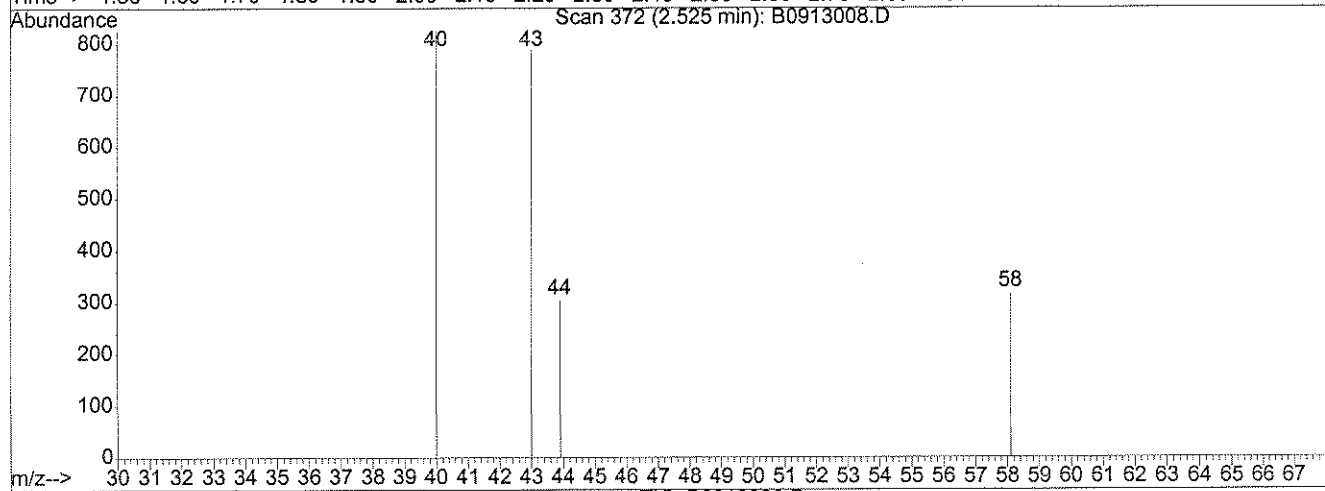
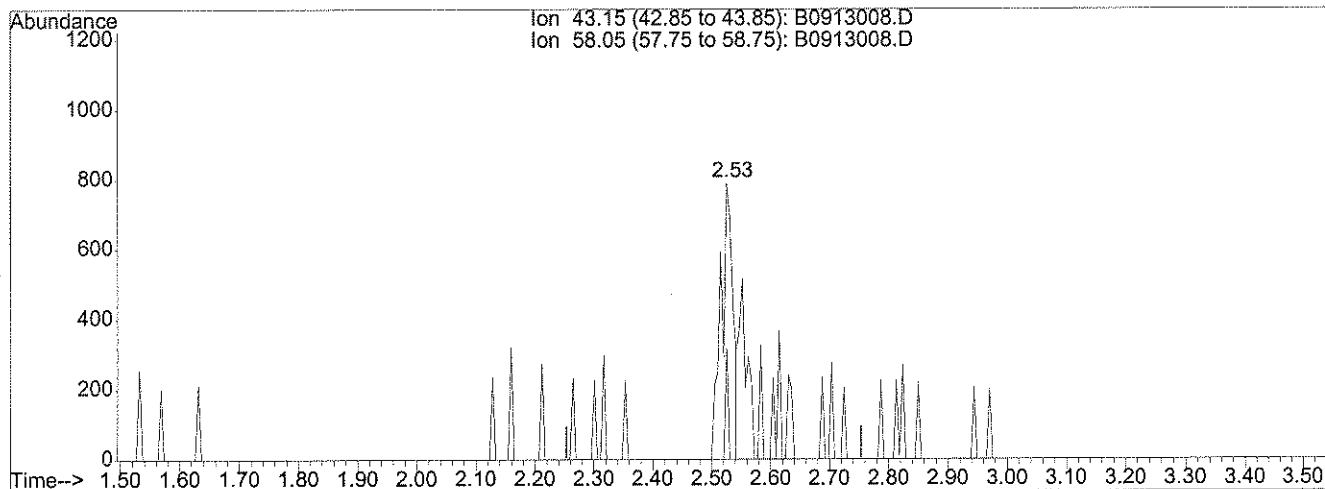
Quantitation Report (Qedit)

Data File : T:\MSDCHEM\1\DATA\091306\B0913008.D
 Acq On : 13 Sep 2006 11:42
 Sample : JPL20-008 DUPE-5-3QC6
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:04 2006

Vial: 6
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: temp.res

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Multiple Level Calibration



(11) Acetone (T)

2.53min 1.66ug/l

response 1120

Ion	Exp%	Act%
43.15	100	100
58.05	36.50	8.84#
0.00	0.00	0.00
0.00	0.00	0.00

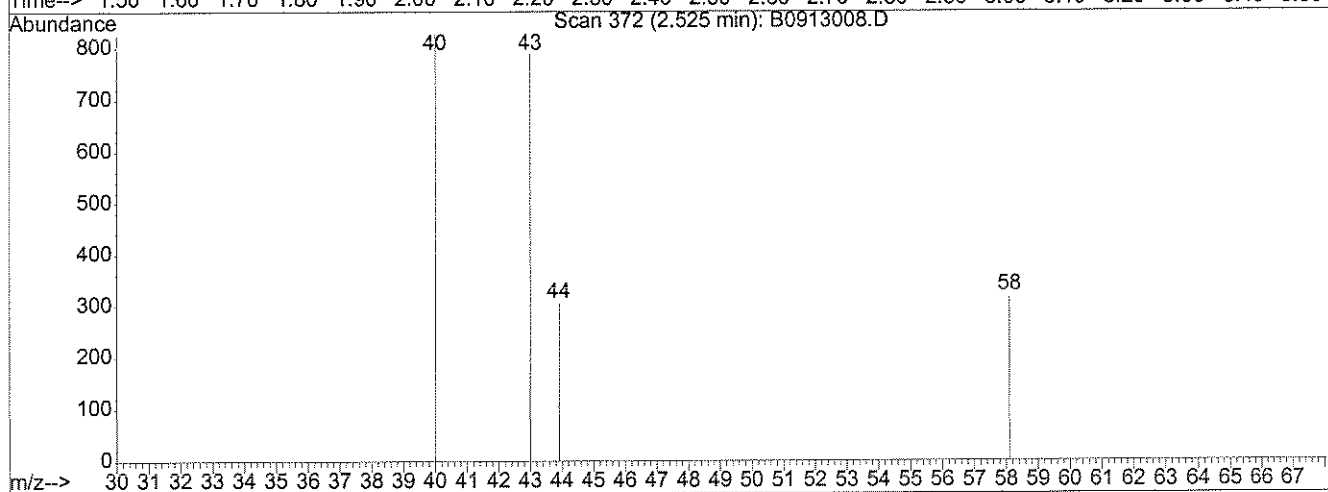
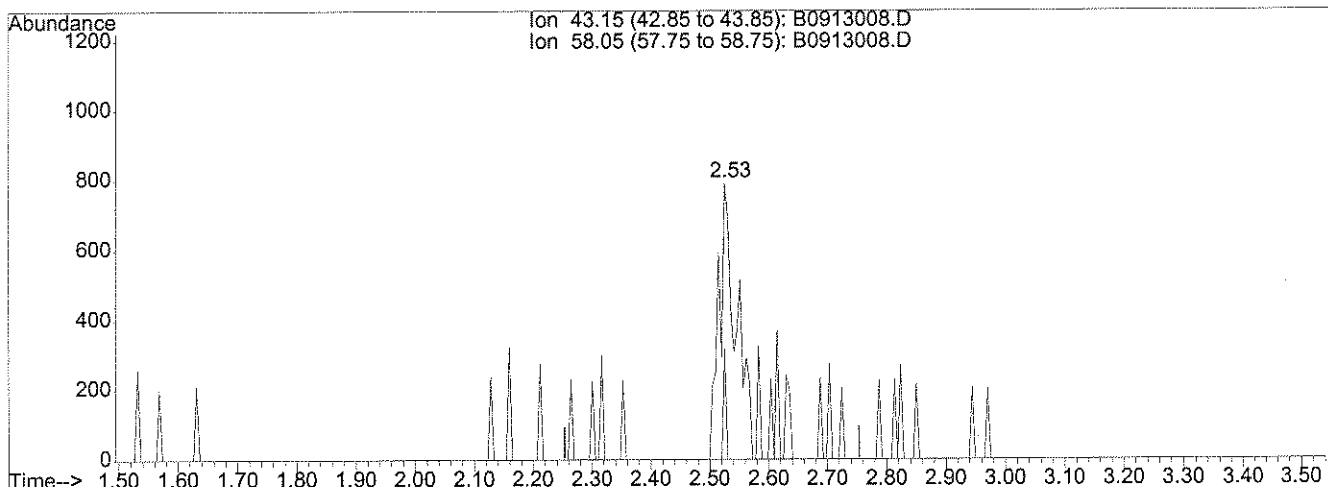
Quantitation Report (Qedit)

Data File : T:\MSDCHEM\1\DATA\091306\B0913008.D
 Acq On : 13 Sep 2006 11:42
 Sample : JPL20-008 DUPE-5-3QC6
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:05 2006

Vial: 6
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: temp.res

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Multiple Level Calibration



(11) Acetone (T)

2.53min 2.41ug/l m

response 1622

Ion	Exp%	Act%
43.15	100	100
58.05	36.50	6.10#
0.00	0.00	0.00
0.00	0.00	0.00

Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913008.D Vial: 6
Acq On : 13 Sep 2006 11:42 Operator: DGA
Sample : JPL20-008 DUPE-5-3QC6 Inst : Buddha
Misc : #3 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913008.D 826025ML.M Tue Sep 19 11:05:50 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-13-8/31/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-009
 Lab File ID: B0913017.D
 Date Collected: 08/31/2006
 Date/Time Analyzed: 09/13/2006 15:59
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-13-8/31/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-009
 Lab File ID: B0913017.D
 Date Collected: 08/31/2006
 Date/Time Analyzed: 09/13/2006 15:59
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-13-8/31/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-009

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913017.D

Level: (LOW/MED) _____

Date Collected: 08/31/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/13/2006 15:59

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.81	
87-61-6	1,2,3-Trichlorobenzene	1.1	

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-13-8/31/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-009
 Lab File ID: B0913017.D
 Date Collected: 09/01/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

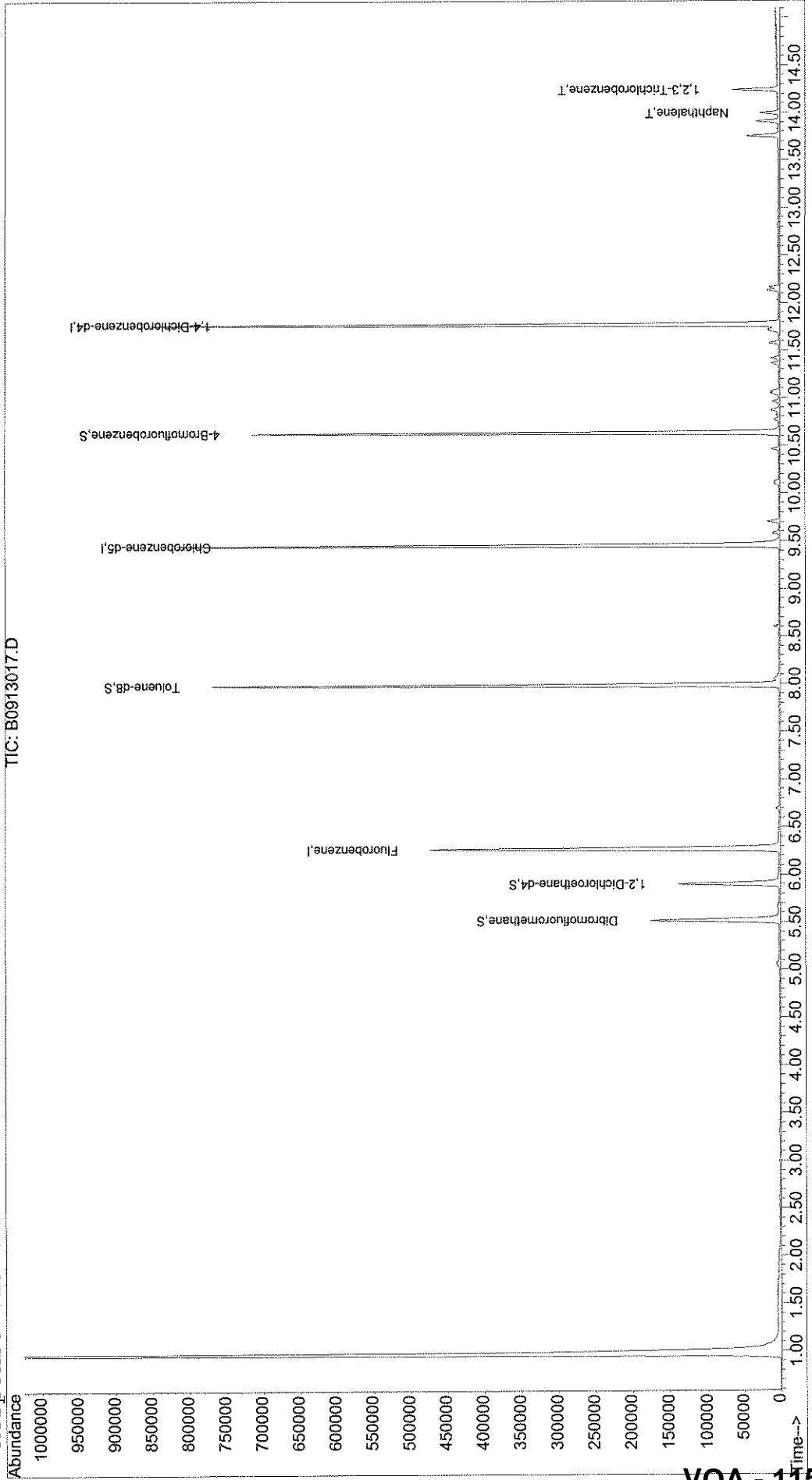
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913017.D Vial: 7
Acq On : 13 Sep 2006 15:59 Operator: DGA
Sample : JPL20-009 TB-13-8/31/06 Inst : Buddha
Misc : # 2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 11:32 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913017.D
 Acq On : 13 Sep 2006 15:59
 Sample : JPL20-009 TB-13-8/31/06
 Misc : # 2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:32 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	6.27	96	427185	10.00	ug/l	0.01 90.78%
51) Chlorobenzene-d5	9.45	82	213878	10.00	ug/l	0.00 92.45%
71) 1,4-Dichlorobenzene-d4	11.77	152	222695	10.00	ug/l	0.00 80.16%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	114664	9.72	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.91	65	117129	9.07	ug/l	0.01
52) Toluene-d8	7.99	98	464082	10.26	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	183433	10.93	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.	d	
3) Chloromethane	1.24	50	244	N.D.		
4) Vinyl Chloride	1.32	62	336	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	1.68	64	72	N.D.		
7) Trichlorofluoromethane	1.90	101	898	Below Cal	#	71
8) 1,1-Dichloroethene	2.39	96	152	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.62	76	2233	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	3.33	73	76	N.D.		
20) trans-1,2-Dichloroethene	3.33	96	454	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.11	43	80	N.D.		
23) 1,1-Dichloroethane	3.95	63	81	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.78	77	90	N.D.		
26) cis-1,2-Dichloroethene	4.84	96	164	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0913017.D 826025ML.M Tue Sep 19 11:33:11 2006

J. 09/19/06
 Page 1
 VOA - 116

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913017.D
 Acq On : 13 Sep 2006 15:59
 Sample : JPL20-009 TB-13-8/31/06
 Misc : # 2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:32 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	0.00	54	0		N.D.	
28) 2-Butanone	0.00	43	0		N.D.	d
29) Bromochloromethane	5.15	128	31		N.D.	
30) Methacrylonitrile	5.17	41	42		N.D.	
31) Chloroform	5.30	83	225		N.D.	
33) 1,1,1-Trichloroethane	5.44	97	125		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	5.65	117	466		N.D.	
36) Isobutanol	0.00	43	0		N.D.	d
37) 1,1-Dichloropropene	5.66	75	361		N.D.	
39) Benzene	5.90	78	140		N.D.	
40) 1,2-Dichloroethane	5.98	62	110		N.D.	
41) Trichloroethene	6.69	130	849		N.D.	
42) Methylcyclohexane	0.00	83	0		N.D.	
43) 1,2-Dichloropropane	6.95	63	79		N.D.	
44) Dibromomethane	7.19	93	34		N.D.	
45) Methyl methacrylate	7.20	41	31		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	d
47) 2-Chloroethyl vinyl ether	7.74	63	38		N.D.	
48) Bromodichloromethane	7.29	83	173		N.D.	
49) cis-1,3-Dichloropropene	7.75	75	457		N.D.	
50) 4-Methyl-2-pentanone	7.92	43	70		N.D.	
53) Toluene	8.06	92	1748		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.34	75	745		N.D.	
56) 1,1,2-Trichloroethane	8.53	97	182		N.D.	
57) Tetrachloroethene	8.60	166	2015		N.D.	
58) 2-Hexanone	8.77	43	148		N.D.	
59) 1,3-Dichloropropane	8.68	76	414		N.D.	
60) Dibromochloromethane	8.90	129	112		N.D.	
61) 1,2-Dibromoethane	9.01	107	110		N.D.	
62) Chlorobenzene	9.48	112	2952		N.D.	
63) 1-Chlorohexane	9.59	91	4935		N.D.	
64) Ethylbenzene	9.59	91	4935		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.57	131	769		N.D.	
66) m,p-Xylene	9.70	106	3967		N.D.	
67) o-xylene	10.10	106	1631		N.D.	
68) Styrene	10.12	104	2656		N.D.	
69) Bromoform	10.33	173	304		N.D.	
70) Isopropylbenzene	10.46	105	4637		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.82	83	668		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913017.D 826025ML.M Tue Sep 19 11:33:11 2006

Quantitation Report

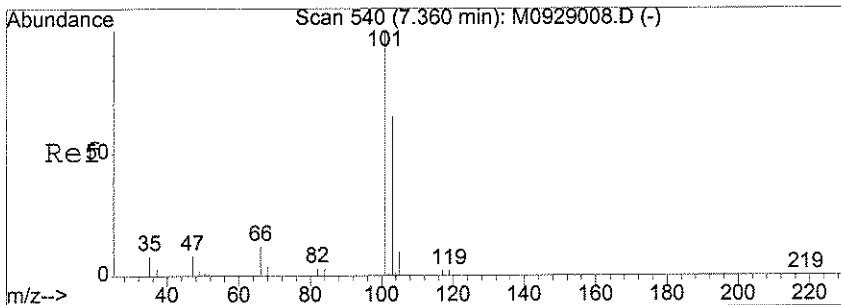
Data File : T:\MSDCHEM\1\DATA\091306\B0913017.D
 Acq On : 13 Sep 2006 15:59
 Sample : JPL20-009 TB-13-8/31/06
 Misc : # 2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:32 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

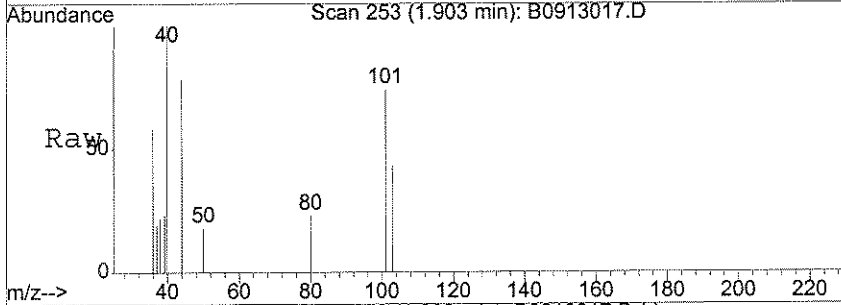
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.87	120	2119		N.D.	
75) trans-1,4-Dichloro-2-buten	10.63	53	32		N.D.	
76) Bromobenzene	10.76	156	1369		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.96	91	3998		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	5548		N.D.	
80) 4-Chlorotoluene	11.07	91	5615		N.D.	
81) tert-Butylbenzene	11.36	119	5186		N.D.	
82) 1,2,4-Trimethylbenzene	11.42	105	5597		N.D.	
83) sec-butylbenzene	11.58	105	8100		N.D.	
84) 4-Isopropyltoluene	11.72	119	7405		N.D.	
85) 1,3-Dichlorobenzene	11.71	111	2077		N.D.	
86) 1,4-Dichlorobenzene	11.79	146	6692		N.D.	
87) n-Butylbenzene	12.13	91	7741		N.D.	
88) 1,2-Dichlorobenzene	12.17	146	5608		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.95	157	44		N.D.	
90) 1,2,4-Trichlorobenzene	0.00	180	0		N.D.	d
91) Hexachlorobutadiene	0.00	225	0		N.D.	d
92) Naphthalene	14.00	128	18046	0.81	ug/l	99
93) 1,2,3-Trichlorobenzene	14.24	180	18656	1.12	ug/l	98

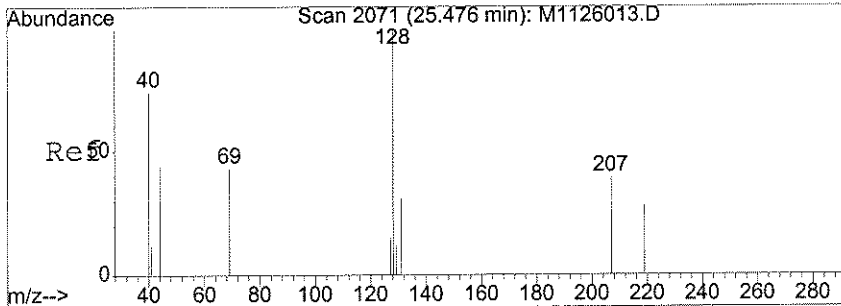
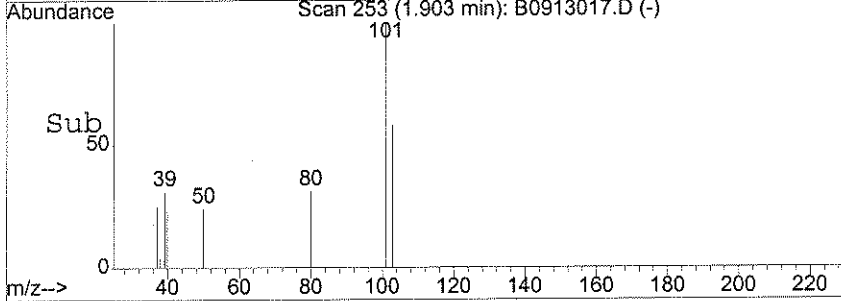
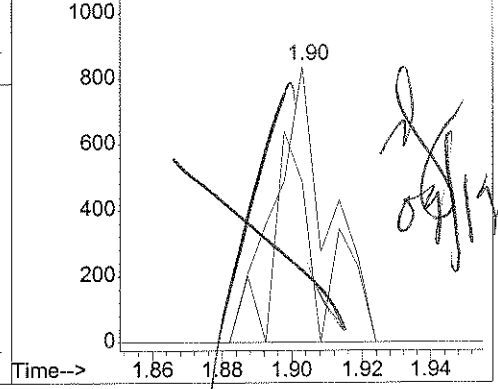


#7
 Trichlorofluoromethane
 Concen: Below Cal
 RT: 1.90 min Scan# 253
 Delta R.T. 0.02 min
 Lab File: B0913017.D
 Acq: 13 Sep 2006 15:59

Tgt Ion	Resp	Lower	Upper
101	898		
103	46.3	55.8	83.8#
105	0.0	10.7	16.1#

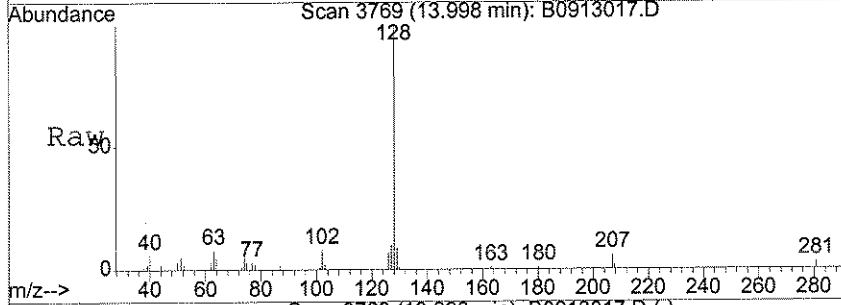


Abundance Ion 100.95 (100.65 to 101.65): B091301
 Ion 102.95 (102.65 to 103.65): B091301
 Ion 104.95 (104.65 to 105.65): B091301

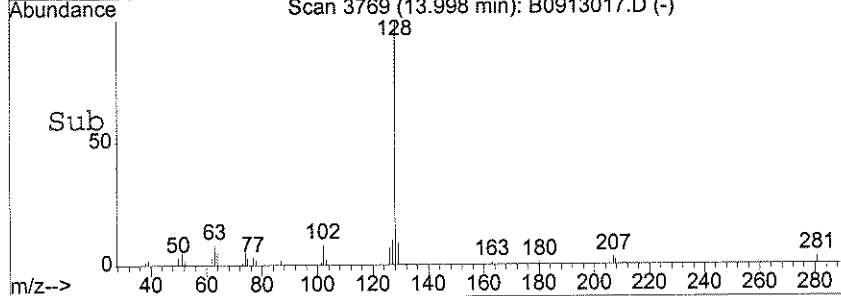
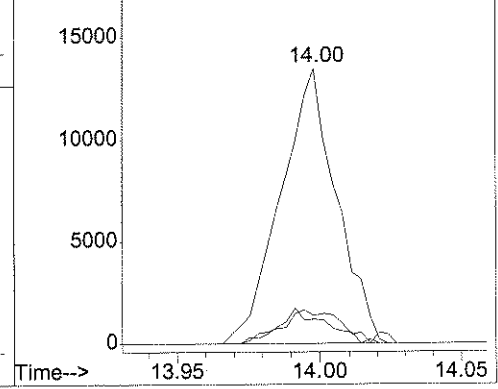


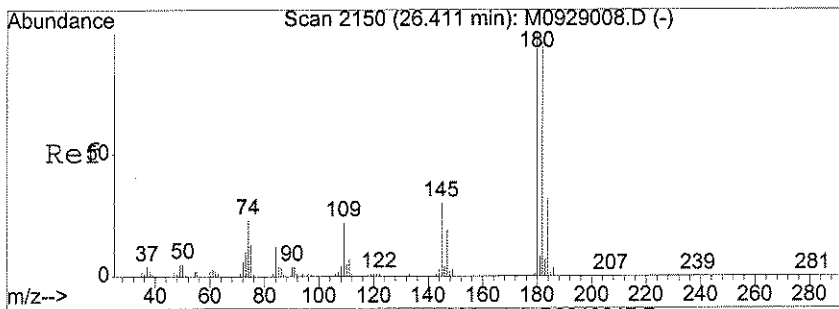
#92
 Naphthalene
 Concen: 0.81 ug/l
 RT: 14.00 min Scan# 3769
 Delta R.T. 0.01 min
 Lab File: B0913017.D
 Acq: 13 Sep 2006 15:59

Tgt Ion	Resp	Lower	Upper
128	18046		
127	12.8	10.4	15.6
129	10.9	9.0	13.6

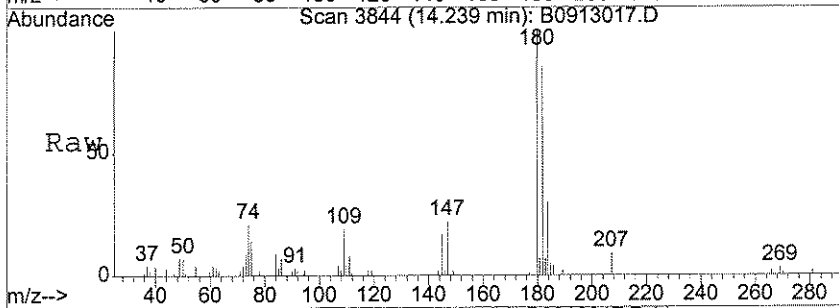


Abundance Ion 128.15 (127.85 to 128.85): B091301
 Ion 127.05 (126.75 to 127.75): B091301
 Ion 129.05 (128.75 to 129.75): B091301

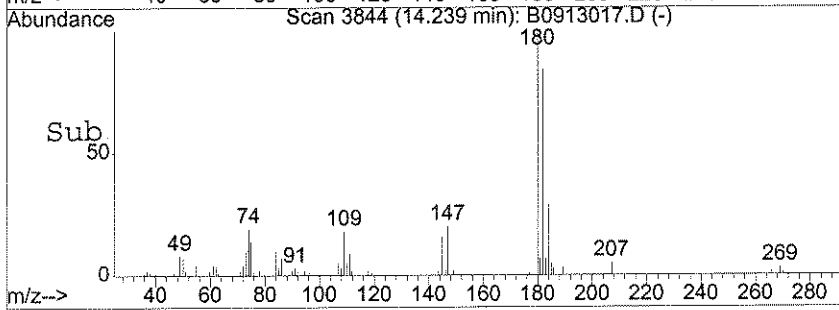




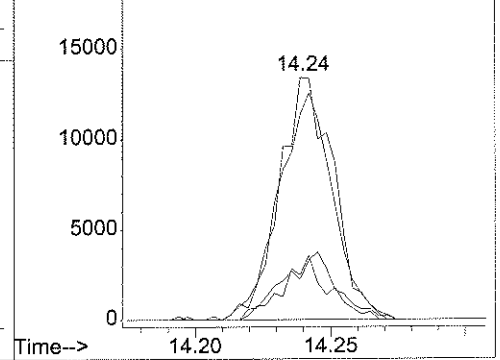
#93
 1,2,3-Trichlorobenzene
 Concen: 1.12 ug/l
 RT: 14.24 min Scan# 3844
 Delta R.T. 0.00 min
 Lab File: B0913017.D
 Acq: 13 Sep 2006 15:59



Tgt Ion	Resp	Lower	Upper
180	18656		
180	100		
182	93.4	77.2	115.8
145	27.7	22.7	34.1
109	21.6	17.7	26.5



Abundance
 Ion 179.95 (179.65 to 180.65): B091301
 Ion 181.95 (181.65 to 182.65): B091301
 Ion 144.95 (144.65 to 145.65): B091301
 Ion 109.05 (108.75 to 109.75): B091301



Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913017.D Vial: 7
Acq On : 13 Sep 2006 15:59 Operator: DGA
Sample : JPL20-009 TB-13-8/31/06 Inst : Buddha
Misc : # 2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913017.D 826025ML.M Tue Sep 19 11:33:18 2006

Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913017.D Vial: 7
Acq On : 13 Sep 2006 15:59 Operator: DGA
Sample : JPL20-009 TB-13-8/31/06 Inst : Buddha
Misc : # 2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913017.D 826025ML.M Tue Sep 19 15:34:24 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-10

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-010
 Lab File ID: B0913009.D
 Date Collected: 09/01/2006
 Date/Time Analyzed: 09/13/2006 12:12
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.27	J
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.53	
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	2.8	
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.71	
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	38	
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-10

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-010
 Lab File ID: B0913009.D
 Date Collected: 09/01/2006
 Date/Time Analyzed: 09/13/2006 12:12
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	1.5	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromofom	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-10

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-010
 Lab File ID: B0913009.D
 Date Collected: 09/01/2006
 Date/Time Analyzed: 09/13/2006 12:12
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/kg)	ug/L	
96-12-8	1,2-Dibromo-3-chloropropane	0.50		U
120-82-1	1,2,4-Trichlorobenzene	0.50		U
87-68-3	Hexachlorobutadiene	0.50		U
91-20-3	Naphthalene	0.50		U
87-61-6	1,2,3-Trichlorobenzene	0.50		U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-10

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL20-010

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913009.D

Level: (LOW/MED) _____

Date Collected: 09/05/2006

% Moisture: not dec. _____

Date Analyzed: 09/13/2006

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

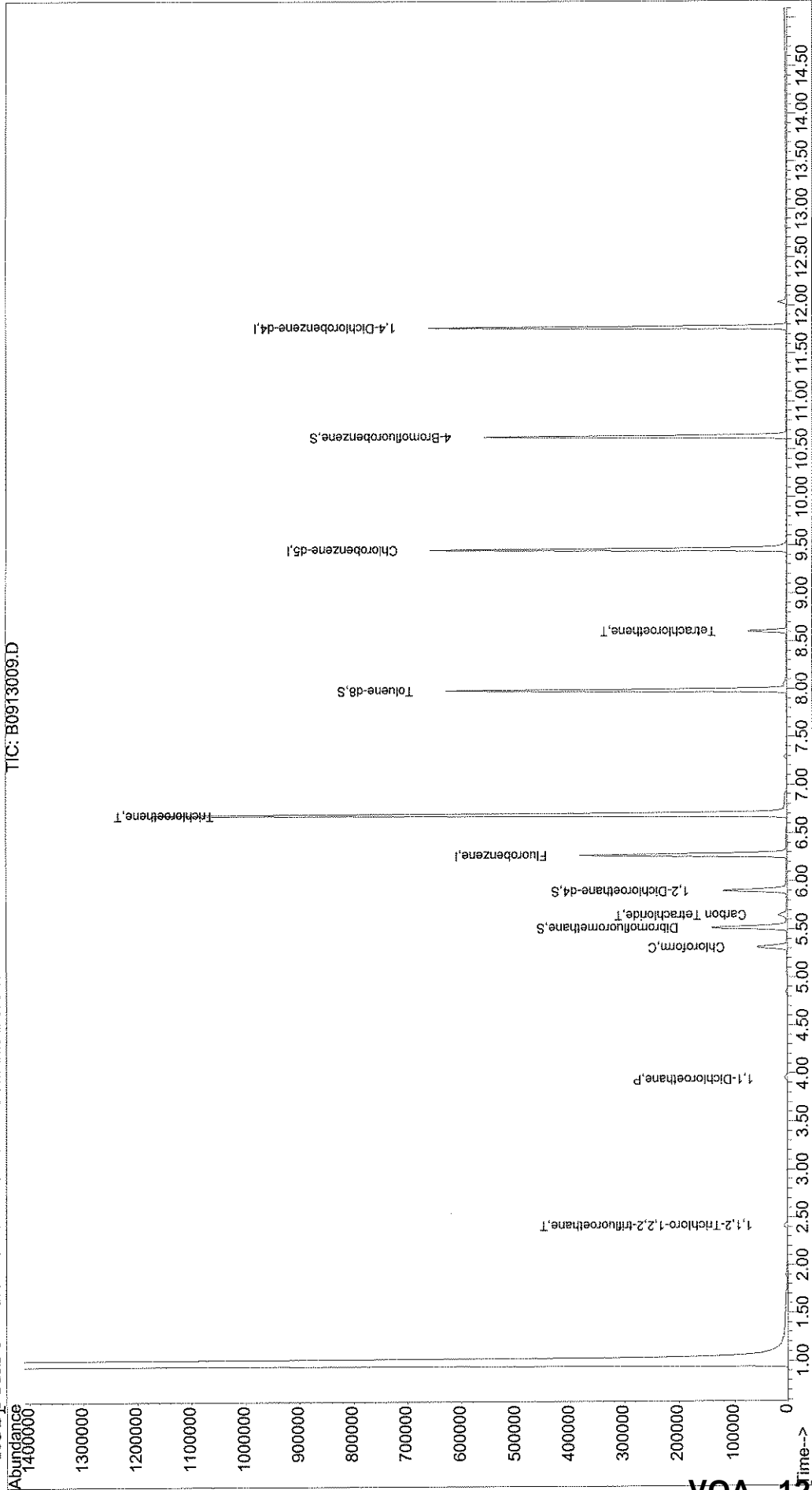
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913009.D Vial: 7
Acq On : 13 Sep 2006 12:12 Operator: DGA
Sample : JPL20-010 MW-10 Inst : Buddha
Misc : # 2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 11:07 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913009.D
 Acq On : 13 Sep 2006 12:12
 Sample : JPL20-010 MW-10
 Misc : # 2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:07 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	6.27	96	327784	10.00	ug/l	0.01 69.66%
51) Chlorobenzene-d5	9.45	82	174387	10.00	ug/l	0.00 75.38%
71) 1,4-Dichlorobenzene-d4	11.77	152	164072	10.00	ug/l	0.00 59.06%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	92906	10.26	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	105262	10.63	ug/l	0.01
52) Toluene-d8	7.99	98	371892	10.09	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	139700	11.30	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	305	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	1.90	101	1762	Below Cal	#	81
8) 1,1-Dichloroethene	2.41	96	1570	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	2.42	101	2273	0.27	ug/l	96
11) Acetone	2.49	43	88	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	3.35	73	221	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.12	43	65	N.D.		
23) 1,1-Dichloroethane	3.94	63	7792	0.53	ug/l	73
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.71	77	30	N.D.		
26) cis-1,2-Dichloroethene	4.84	96	621	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0913009.D 826025ML.M Tue Sep 19 11:13:31 2006

J 09/19/06
 Page 1
 VOA - 128

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913009.D
 Acq On : 13 Sep 2006 12:12
 Sample : JPL20-010 MW-10
 Misc : # 2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:07 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	5.13	54	48		N.D.	
28) 2-Butanone	4.88	43	38		N.D.	
29) Bromochloromethane	5.18	128	35		N.D.	
30) Methacrylonitrile	5.23	41	34		N.D.	
31) Chloroform	5.32	83	49384	2.82	ug/l	87
33) 1,1,1-Trichloroethane	5.45	97	64		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	5.65	117	10368	0.71	ug/l	96
36) Isobutanol	0.00	43	0		N.D. d	
37) 1,1-Dichloropropene	5.71	75	41		N.D.	
39) Benzene	5.90	78	236		N.D.	
40) 1,2-Dichloroethane	5.98	62	98		N.D.	
41) Trichloroethene	6.69	130	395584	38.25	ug/l	93
42) Methylcyclohexane	0.00	83	0		N.D. d	
43) 1,2-Dichloropropane	6.85	63	29		N.D.	
44) Dibromomethane	7.12	93	34		N.D.	
45) Methyl methacrylate	7.08	41	41		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	7.44	63	34		N.D.	
48) Bromodichloromethane	7.29	83	2843		N.D.	
49) cis-1,3-Dichloropropene	7.57	75	43		N.D.	
50) 4-Methyl-2-pentanone	7.92	43	61		N.D.	
53) Toluene	8.05	92	1481		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D. d	
55) trans-1,3-Dichloropropene	8.23	75	31		N.D.	
56) 1,1,2-Trichloroethane	8.60	97	103		N.D.	
57) Tetrachloroethene	8.61	166	20713	1.48	ug/l	96
58) 2-Hexanone	8.75	43	42		N.D.	
59) 1,3-Dichloropropane	0.00	76	0		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	0.00	107	0		N.D.	
62) Chlorobenzene	9.48	112	3316		N.D.	
63) 1-Chlorohexane	9.57	91	29		N.D.	
64) Ethylbenzene	9.58	91	79		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-Xylene	9.70	106	120		N.D.	
67) o-xylene	10.22	106	65		N.D.	
68) Styrene	10.12	104	60		N.D.	
69) Bromoform	10.33	173	30		N.D.	
70) Isopropylbenzene	10.63	105	93		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.85	83	29		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913009.D 826025ML.M Tue Sep 19 11:13:32 2006

J 09/19/06
 Page 2
VOA - 129

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913009.D
 Acq On : 13 Sep 2006 12:12
 Sample : JPL20-010 MW-10
 Misc : # 2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:07 2006

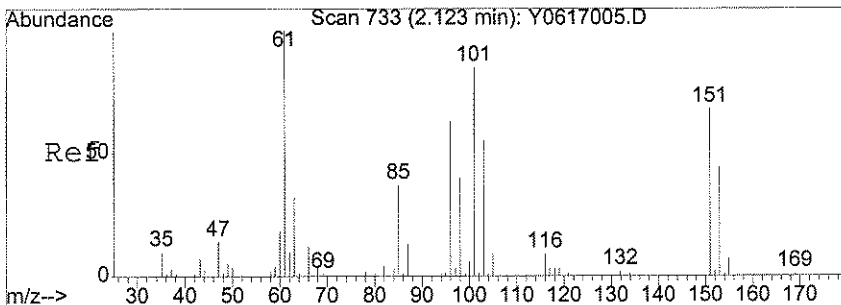
Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

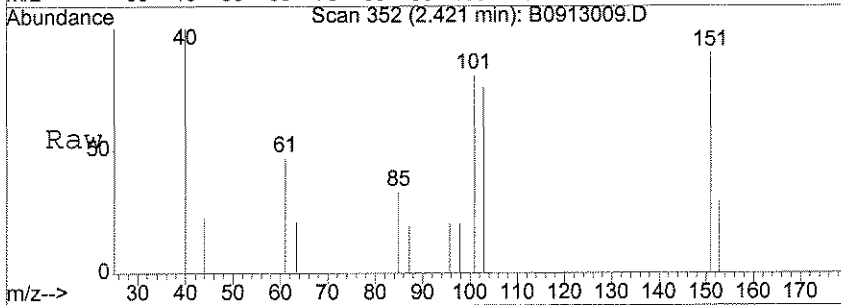
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	11.03	120	39		N.D.	
75) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
76) Bromobenzene	10.76	156	40		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.95	91	37		N.D.	
79) 1,3,5-Trimethylbenzene	11.03	105	38		N.D.	
80) 4-Chlorotoluene	11.10	91	35		N.D.	
81) tert-Butylbenzene	11.35	119	35		N.D.	
82) 1,2,4-Trimethylbenzene	11.42	105	40		N.D.	
83) sec-butylbenzene	11.57	105	62		N.D.	
84) 4-Isopropyltoluene	11.73	119	71		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.80	146	117		N.D.	
87) n-Butylbenzene	12.13	91	226		N.D.	
88) 1,2-Dichlorobenzene	12.17	146	68		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.77	157	31		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	31		N.D.	
91) Hexachlorobutadiene	13.90	225	105		N.D.	
92) Naphthalene	14.00	128	45		N.D.	
93) 1,2,3-Trichlorobenzene	14.23	180	485		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913009.D 826025ML.M Tue Sep 19 11:13:32 2006

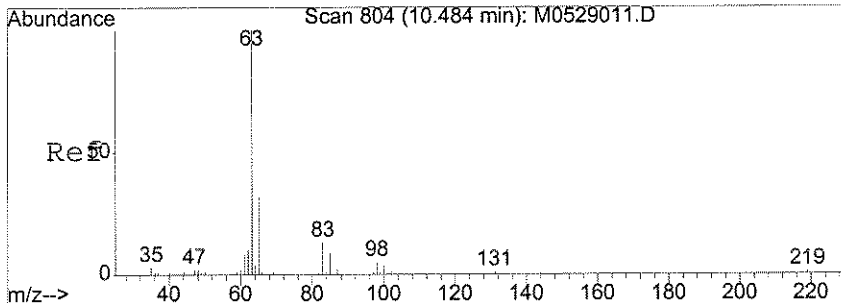
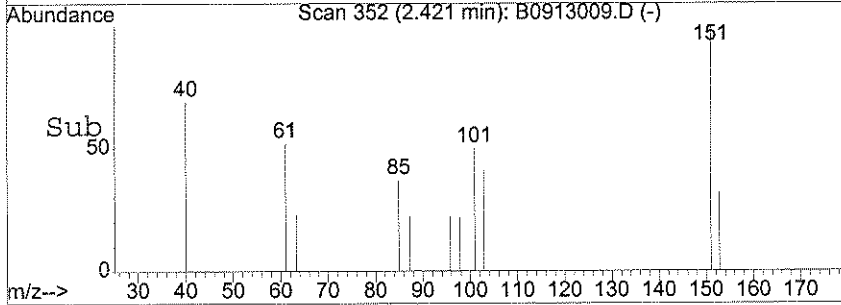
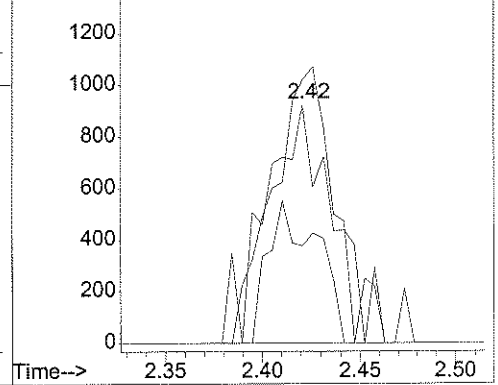


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concn: 0.27 ug/l
 RT: 2.42 min Scan# 352
 Delta R.T. 0.03 min
 Lab File: B0913009.D
 Acq: 13 Sep 2006 12:12

Tgt Ion	Resp	Lower	Upper
101	2273		
85	42.6	34.5	51.7
151	104.5	88.0	132.0

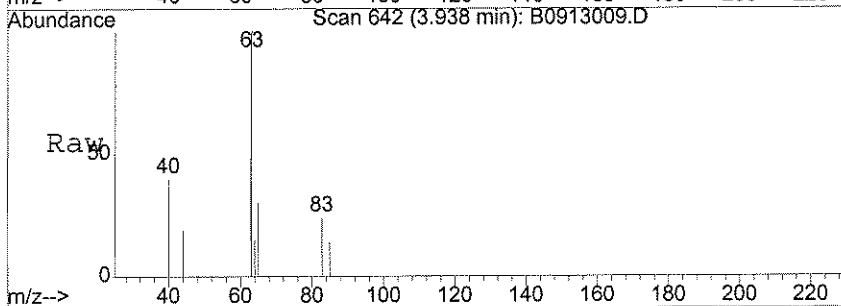


Abundance
 Ion 100.95 (100.65 to 101.65): B0913009.D
 Ion 84.95 (84.65 to 85.65): B0913009.D
 Ion 150.95 (150.65 to 151.65): B0913009.D

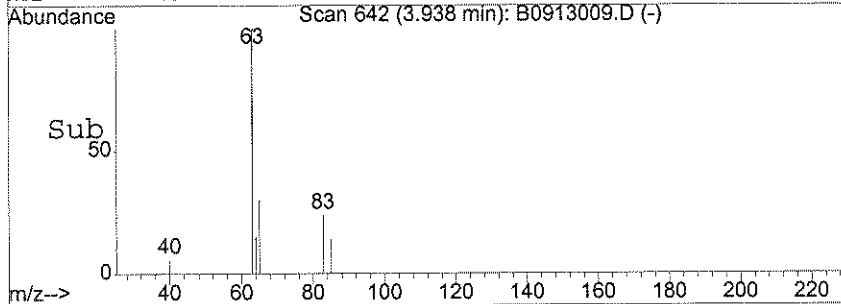
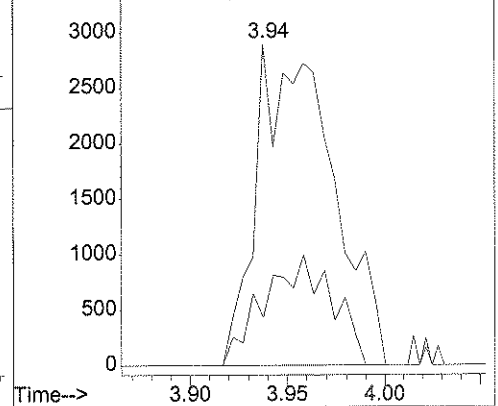


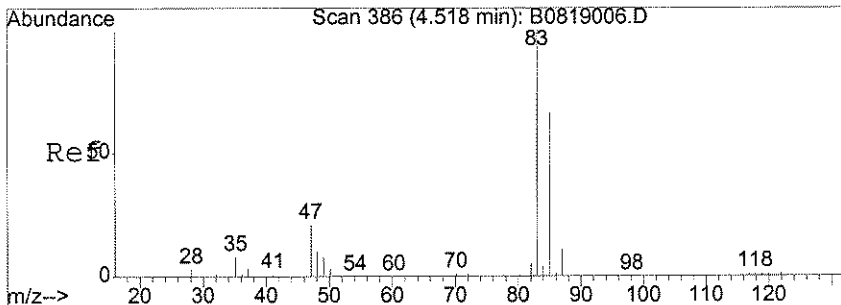
#23
 1,1-Dichloroethane
 Concn: 0.53 ug/l
 RT: 3.94 min Scan# 642
 Delta R.T. -0.01 min
 Lab File: B0913009.D
 Acq: 13 Sep 2006 12:12

Tgt Ion	Resp	Lower	Upper
63	7792		
65	15.5	10.0	50.0



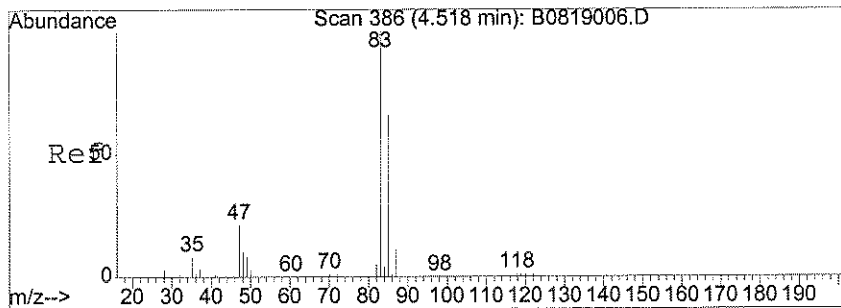
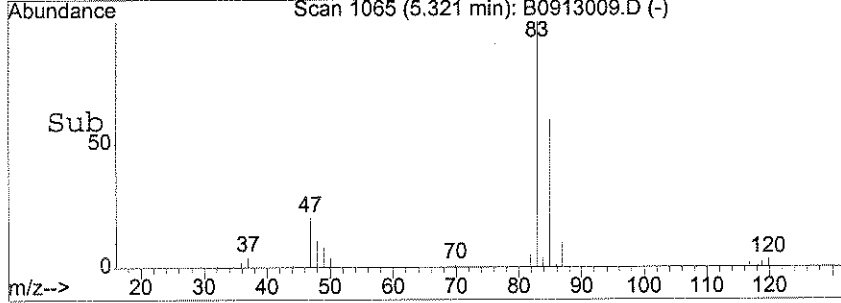
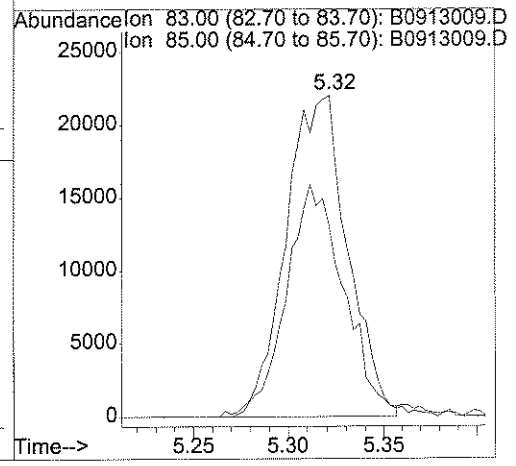
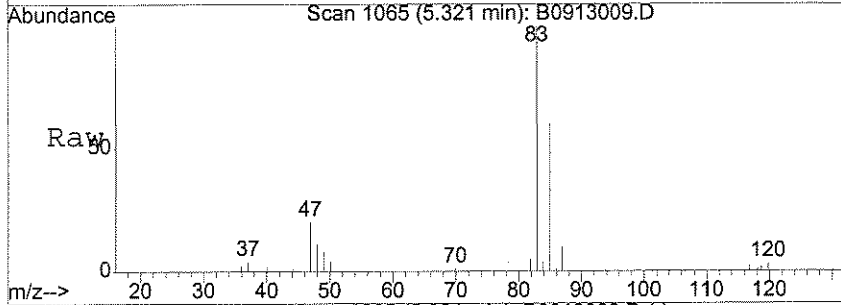
Abundance
 Ion 63.00 (62.70 to 63.70): B0913009.D
 Ion 65.00 (64.70 to 65.70): B0913009.D





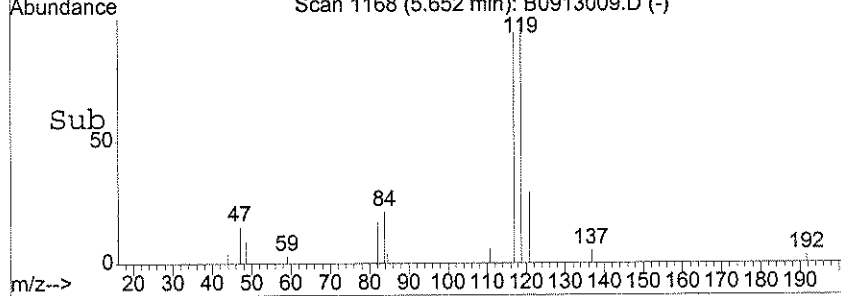
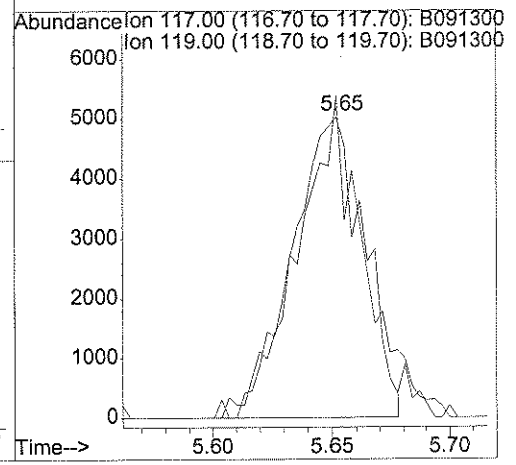
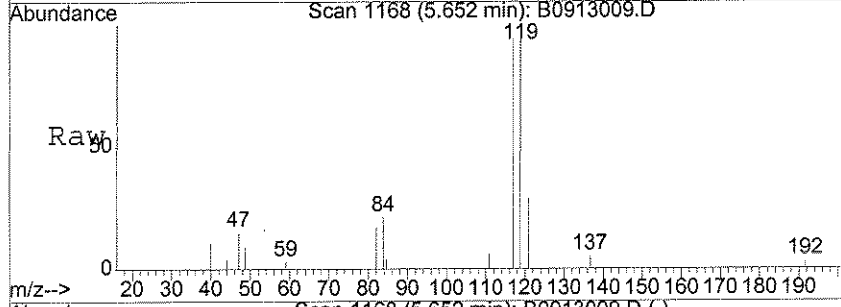
#31
 Chloroform
 Concen: 2.82 ug/l
 RT: 5.32 min Scan# 1065
 Delta R.T. 0.02 min
 Lab File: B0913009.D
 Acq: 13 Sep 2006 12:12

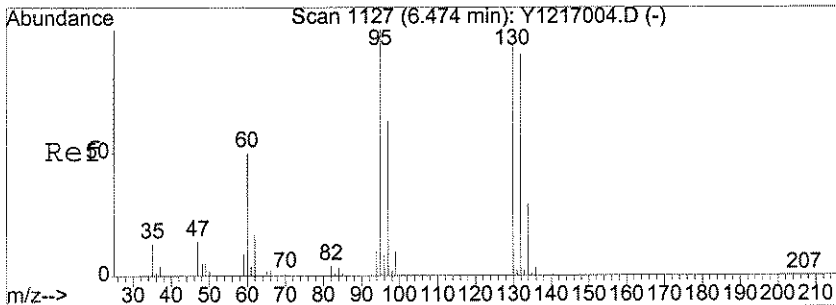
Tgt Ion: 83 Resp: 49384
 Ion Ratio Lower Upper
 83 100
 85 67.7 38.2 78.2



#35
 Carbon Tetrachloride
 Concen: 0.71 ug/l
 RT: 5.65 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: B0913009.D
 Acq: 13 Sep 2006 12:12

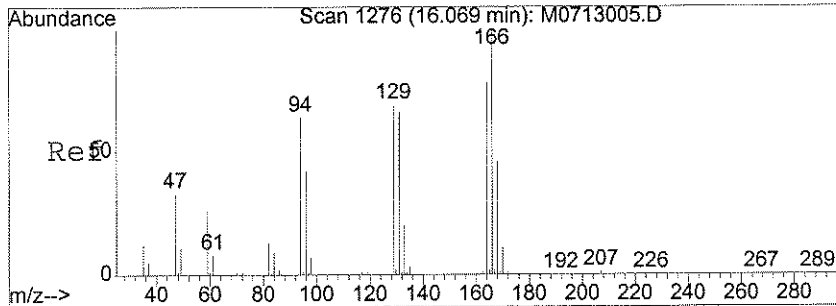
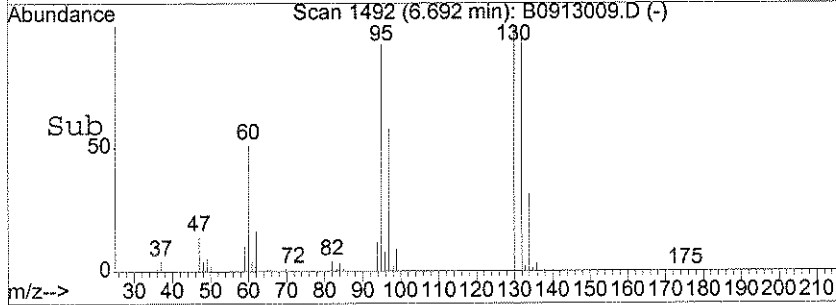
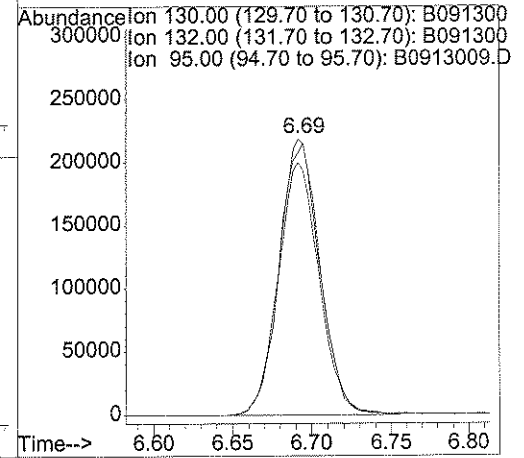
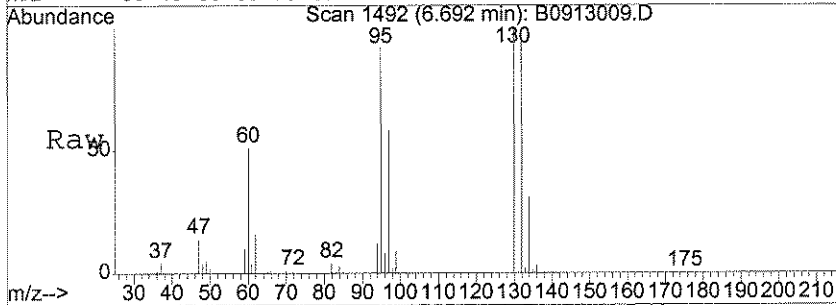
Tgt Ion: 117 Resp: 10368
 Ion Ratio Lower Upper
 117 100
 119 100.8 76.7 116.7





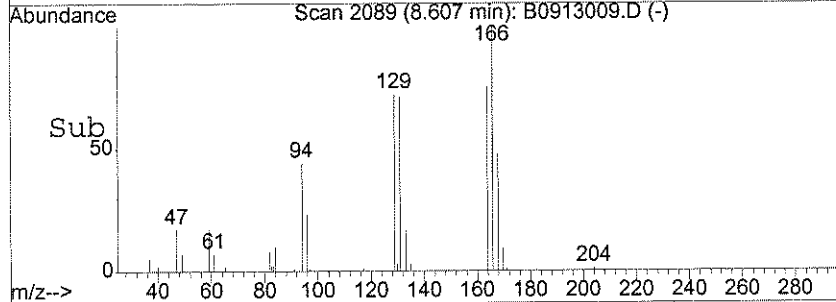
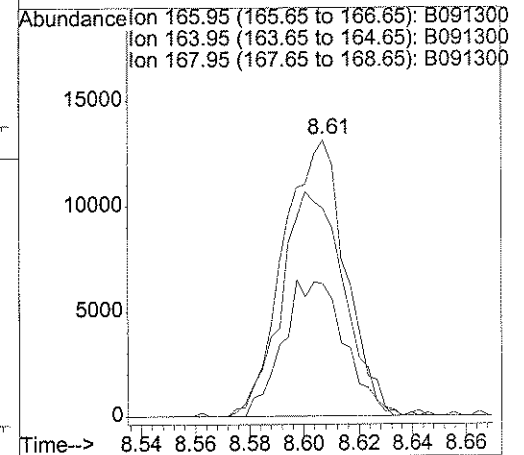
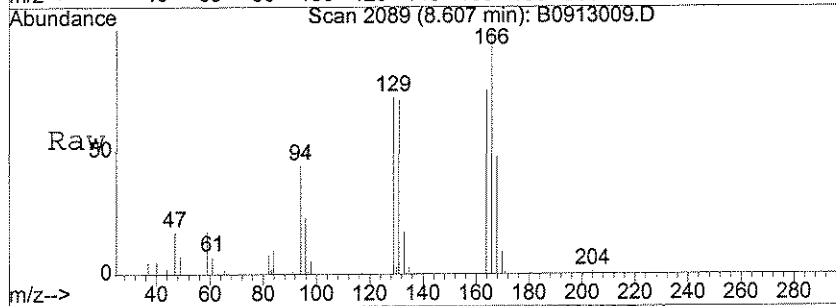
#41
 Trichloroethene
 Concen: 38.25 ug/l
 RT: 6.69 min Scan# 1492
 Delta R.T. 0.01 min
 Lab File: B0913009.D
 Acq: 13 Sep 2006 12:12

Tgt Ion	Resp	Lower	Upper
130	395584		
130	100		
132	96.8	81.1	121.1
95	90.0	60.0	100.0



#57
 Tetrachloroethene
 Concen: 1.48 ug/l
 RT: 8.61 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: B0913009.D
 Acq: 13 Sep 2006 12:12

Tgt Ion	Resp	Lower	Upper
166	20713		
166	100		
164	81.7	60.8	91.2
168	48.7	39.4	59.0



Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913009.D Vial: 7
Acq On : 13 Sep 2006 12:12 Operator: DGA
Sample : JPL20-010 MW-10 Inst : Buddha
Misc : # 2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913009.D 826025ML.M Tue Sep 19 11:13:37 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-5

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-011

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913010.D

Level: (LOW/MED) _____

Date Collected: 09/01/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/13/2006 12:41

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-011
 Lab File ID: B0913010.D
 Date Collected: 09/01/2006
 Date/Time Analyzed: 09/13/2006 12:41
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-5

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-011
 Lab File ID: B0913010.D
 Date Collected: 09/01/2006
 Date/Time Analyzed: 09/13/2006 12:41
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-5

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-011
 Lab File ID: B0913010.D
 Date Collected: 09/05/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

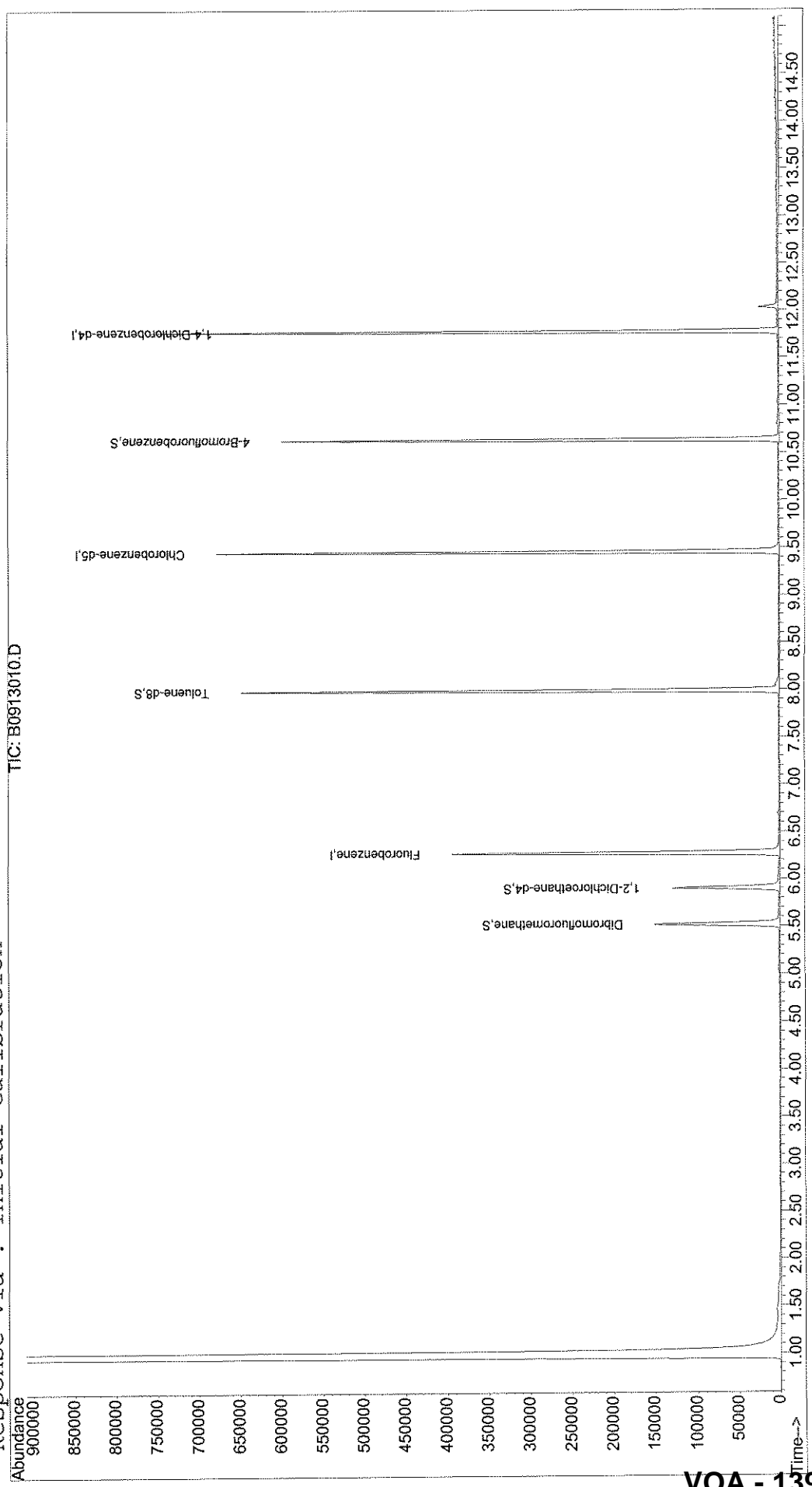
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913010.D Vial: 8
Acq On : 13 Sep 2006 12:41 Operator: DGA
Sample : JPL20-011 MW-5 Inst : Buddha
Misc : # 3 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 11:11 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 139

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913010.D
 Acq On : 13 Sep 2006 12:41
 Sample : JPL20-011 MW-5
 Misc : # 3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:11 2006

Vial: 8
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	6.27	96	335282	10.00	ug/l	0.00 71.25%
51) Chlorobenzene-d5	9.45	82	178556	10.00	ug/l	0.00 77.19%
71) 1,4-Dichlorobenzene-d4	11.77	152	181222	10.00	ug/l	0.00 65.23%

System Monitoring Compounds

32) Dibromofluoromethane	5.51	111	98216	10.61	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	107793	10.64	ug/l	0.01
52) Toluene-d8	7.98	98	372448	9.87	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	149085	10.92	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	109	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.50	43	69	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.60	76	74	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.05	43	38	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.75	77	89	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913010.D
 Acq On : 13 Sep 2006 12:41
 Sample : JPL20-011 MW-5
 Misc : # 3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:11 2006

Vial: 8
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	0.00	54	0		N.D.	
28) 2-Butanone	4.88	43	29		N.D.	
29) Bromochloromethane	5.12	128	55		N.D.	
30) Methacrylonitrile	5.18	41	34		N.D.	
31) Chloroform	5.30	83	85		N.D.	
33) 1,1,1-Trichloroethane	5.48	97	29		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	5.71	117	41		N.D.	
36) Isobutanol	0.00	43	0		N.D.	d
37) 1,1-Dichloropropene	5.67	75	47		N.D.	
39) Benzene	5.91	78	32		N.D.	
40) 1,2-Dichloroethane	5.93	62	36		N.D.	
41) Trichloroethene	6.69	130	411		N.D.	
42) Methylcyclohexane	6.86	83	29		N.D.	
43) 1,2-Dichloropropane	6.91	63	31		N.D.	
44) Dibromomethane	7.20	93	42		N.D.	
45) Methyl methacrylate	7.15	41	42		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	0.00	63	0		N.D.	
48) Bromodichloromethane	7.17	83	33		N.D.	
49) cis-1,3-Dichloropropene	7.88	75	34		N.D.	
50) 4-Methyl-2-pentanone	7.94	43	79		N.D.	
53) Toluene	8.06	92	570		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.40	75	88		N.D.	
56) 1,1,2-Trichloroethane	8.48	97	43		N.D.	
57) Tetrachloroethene	8.59	166	104		N.D.	
58) 2-Hexanone	8.75	43	40		N.D.	
59) 1,3-Dichloropropane	8.67	76	33		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	9.07	107	33		N.D.	
62) Chlorobenzene	9.47	112	33		N.D.	
63) 1-Chlorohexane	9.58	91	31		N.D.	
64) Ethylbenzene	9.58	91	31		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-Xylene	9.70	106	41		N.D.	
67) o-xylene	10.10	106	38		N.D.	
68) Styrene	0.00	104	0		N.D.	
69) Bromoform	10.38	173	30		N.D.	
70) Isopropylbenzene	10.46	105	145		N.D.	
73) 1,1,2,2-Tetrachloroethane	11.07	83	38		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913010.D 826025ML.M Tue Sep 19 11:14:12 2006

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913010.D
 Acq On : 13 Sep 2006 12:41
 Sample : JPL20-011 MW-5
 Misc : # 3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:11 2006

Vial: 8
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.87	120	54		N.D.	
75) trans-1,4-Dichloro-2-buten	10.63	53	43		N.D.	
76) Bromobenzene	10.64	156	177		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.89	91	36		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	49		N.D.	
80) 4-Chlorotoluene	11.07	91	42		N.D.	
81) tert-Butylbenzene	11.21	119	42		N.D.	
82) 1,2,4-Trimethylbenzene	11.42	105	111		N.D.	
83) sec-butylbenzene	11.57	105	51		N.D.	
84) 4-Isopropyltoluene	11.72	119	112		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.80	146	167		N.D.	
87) n-Butylbenzene	12.13	91	164		N.D.	
88) 1,2-Dichlorobenzene	12.15	146	32		N.D.	
89) 1,2-Dibromo-3-chloropropan	12.98	157	40		N.D.	
90) 1,2,4-Trichlorobenzene	13.74	180	49		N.D.	
91) Hexachlorobutadiene	13.90	225	42		N.D.	
92) Naphthalene	14.00	128	83		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	71		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913010.D 826025ML.M Tue Sep 19 11:14:12 2006

Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913010.D Vial: 8
Acq On : 13 Sep 2006 12:41 Operator: DGA
Sample : JPL20-011 MW-5 Inst : Buddha
Misc : # 3 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913010.D 826025ML.M Tue Sep 19 11:14:17 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-14-9/1/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-012
 Lab File ID: B0913018.D
 Date Collected: 09/01/2006
 Date/Time Analyzed: 09/13/2006 16:43
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-14-9/1/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-012

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913018.D

Level: (LOW/MED) _____

Date Collected: 09/01/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/13/2006 16:43

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-14-9/1/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-012
 Lab File ID: B0913018.D
 Date Collected: 09/01/2006
 Date/Time Analyzed: 09/13/2006 16:43
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-14-9/1/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED)
 % Moisture: not dec.
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-012
 Lab File ID: B0913018.D
 Date Collected: 09/05/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

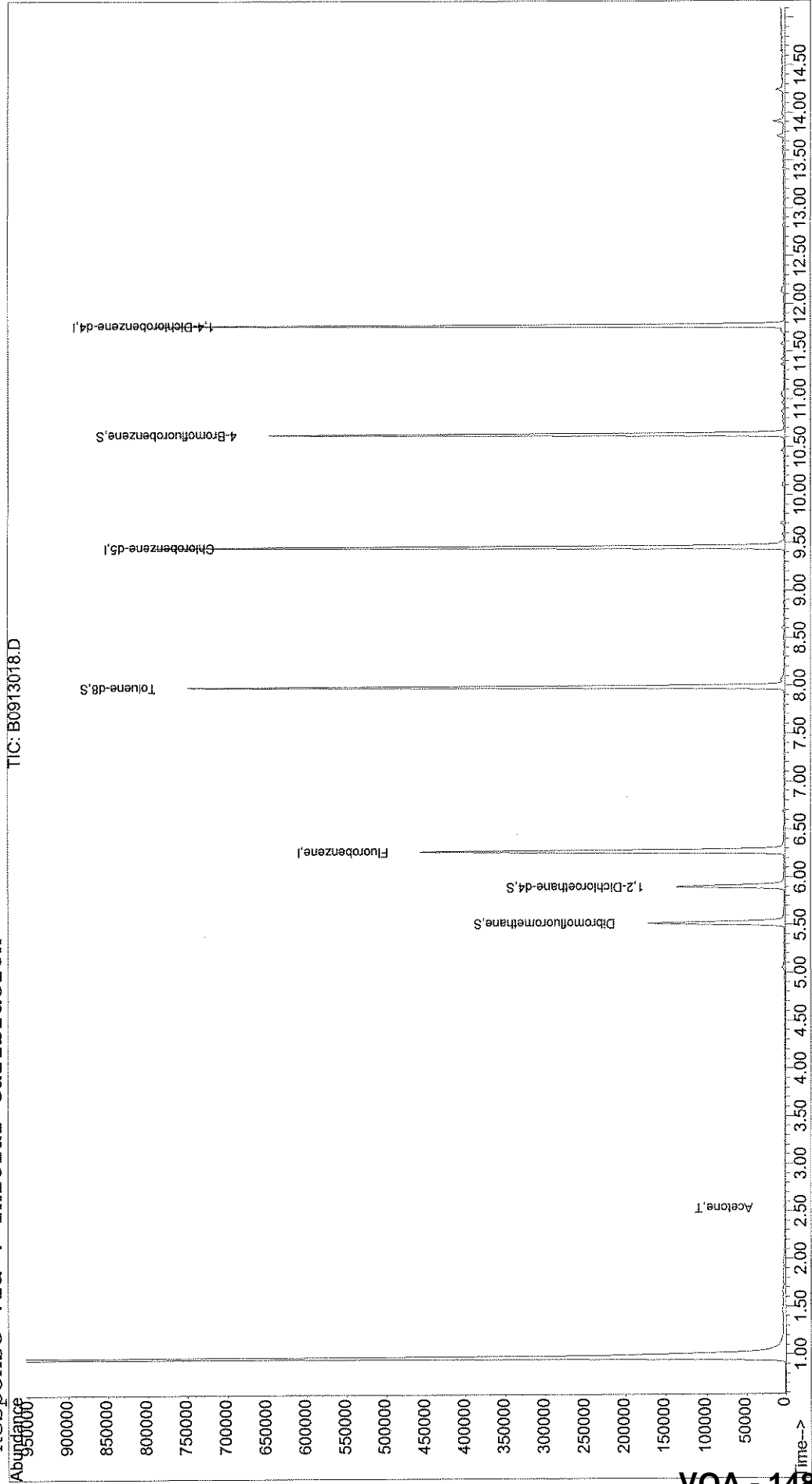
CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913018.D Vial: 10
Acq On : 13 Sep 2006 16:43 Operator: DGA
Sample : JPL20-012 TB-14-9/1/06 Inst : Buddha
Misc : #1 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 11:34 2006 Quant Results File: 826025ML.RE5

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



VOA - 148

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913018.D
 Acq On : 13 Sep 2006 16:43
 Sample : JPL20-012 TB-14-9/1/06
 Misc : #1 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:34 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	399058	10.00	ug/l	0.00 84.81%
51) Chlorobenzene-d5	9.45	82	200488	10.00	ug/l	0.00 86.67%
71) 1,4-Dichlorobenzene-d4	11.77	152	198483	10.00	ug/l	0.00 71.44%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	108706	9.86	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	116835	9.69	ug/l	0.01
52) Toluene-d8	7.99	98	439060	10.36	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	165727	11.08	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	1.24	50	89	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.	d	
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.54	43	1546	1.79	ug/l #	55
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.60	76	971	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.78	77	29	N.D.		
26) cis-1,2-Dichloroethene	4.85	96	30	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0913018.D 826025ML.M Tue Sep 19 11:35:22 2006

[Handwritten Signature]
 Page 1
VOA - 149

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913018.D
 Acq On : 13 Sep 2006 16:43
 Sample : JPL20-012 TB-14-9/1/06
 Misc : #1 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:34 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	4.94	54	60		N.D.	
28) 2-Butanone	4.91	43	29		N.D.	
29) Bromochloromethane	5.17	128	32		N.D.	
30) Methacrylonitrile	5.27	41	40		N.D.	
31) Chloroform	5.30	83	95		N.D.	
33) 1,1,1-Trichloroethane	5.46	97	39		N.D.	
34) Cyclohexane	5.48	56	29		N.D.	
35) Carbon Tetrachloride	5.62	117	33		N.D.	
36) Isobutanol	0.00	43	0		N.D.	d
37) 1,1-Dichloropropene	5.67	75	98		N.D.	
39) Benzene	5.91	78	194		N.D.	
40) 1,2-Dichloroethane	6.01	62	35		N.D.	
41) Trichloroethene	6.69	130	199		N.D.	
42) Methylcyclohexane	6.69	83	31		N.D.	
43) 1,2-Dichloropropane	6.94	63	37		N.D.	
44) Dibromomethane	6.98	93	47		N.D.	
45) Methyl methacrylate	7.05	41	61		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	7.76	63	33		N.D.	
48) Bromodichloromethane	7.29	83	46		N.D.	
49) cis-1,3-Dichloropropene	7.75	75	31		N.D.	
50) 4-Methyl-2-pentanone	7.92	43	71		N.D.	
53) Toluene	8.06	92	729		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	
55) trans-1,3-Dichloropropene	8.34	75	64		N.D.	
56) 1,1,2-Trichloroethane	0.00	97	0		N.D.	
57) Tetrachloroethene	8.60	166	746		N.D.	
58) 2-Hexanone	8.79	43	40		N.D.	
59) 1,3-Dichloropropane	8.62	76	37		N.D.	
60) Dibromochloromethane	8.92	129	33		N.D.	
61) 1,2-Dibromoethane	9.04	107	46		N.D.	
62) Chlorobenzene	9.48	112	661		N.D.	
63) 1-Chlorohexane	9.58	91	823		N.D.	
64) Ethylbenzene	9.58	91	823		N.D.	
65) 1,1,1,2-Tetrachloroethane	9.57	131	43		N.D.	
66) m,p-Xylene	9.70	106	1001		N.D.	
67) o-xylene	10.10	106	573		N.D.	
68) Styrene	10.12	104	729		N.D.	
69) Bromoform	10.33	173	120		N.D.	
70) Isopropylbenzene	10.47	105	1467		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.81	83	35		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913018.D 826025ML.M Tue Sep 19 11:35:22 2006

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913018.D
 Acq On : 13 Sep 2006 16:43
 Sample : JPL20-012 TB-14-9/1/06
 Misc : #1 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:34 2006

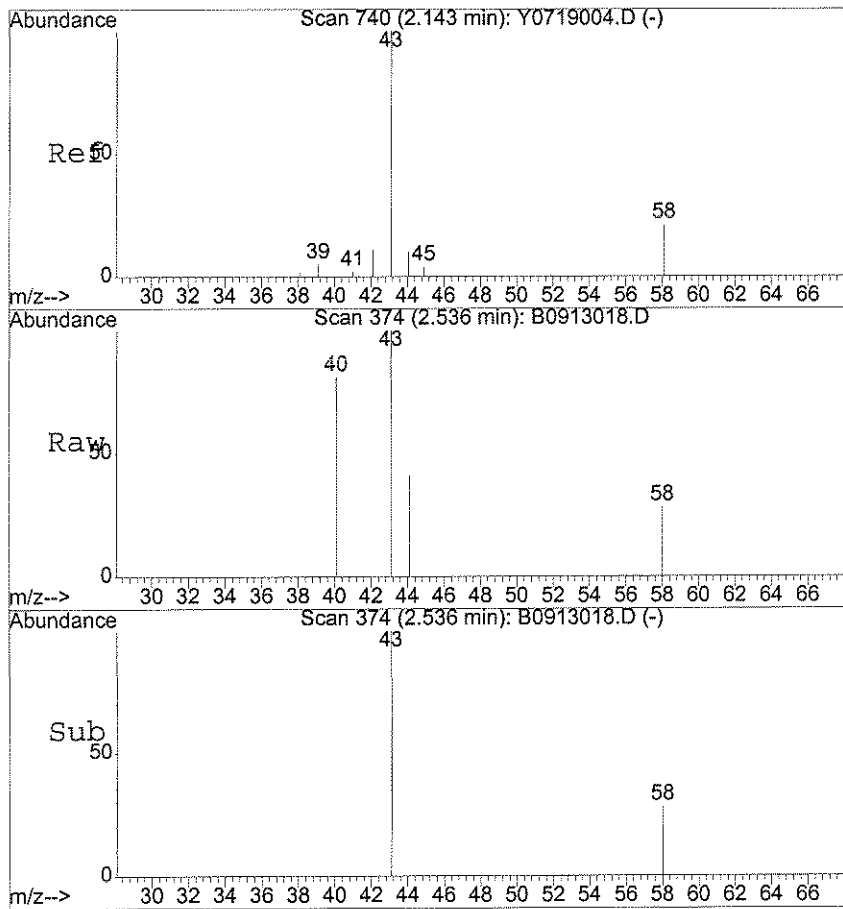
Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

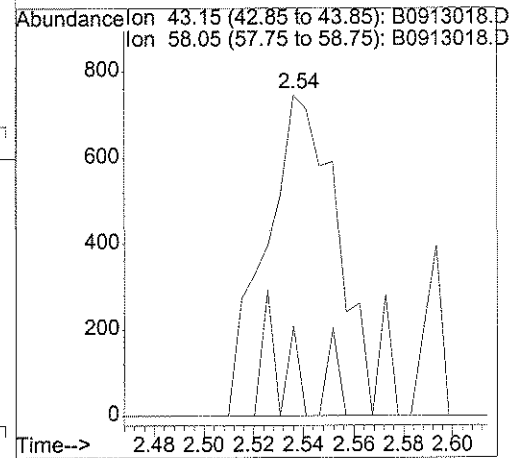
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.85	120	131		N.D.	
75) trans-1,4-Dichloro-2-buten	10.59	53	34		N.D.	
76) Bromobenzene	10.77	156	347		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.96	91	1436		N.D.	
79) 1,3,5-Trimethylbenzene	11.04	105	1709		N.D.	
80) 4-Chlorotoluene	10.96	91	1471		N.D.	
81) tert-Butylbenzene	11.36	119	883		N.D.	
82) 1,2,4-Trimethylbenzene	11.41	105	1852		N.D.	
83) sec-butylbenzene	11.57	105	2300		N.D.	
84) 4-Isopropyltoluene	11.73	119	2263		N.D.	
85) 1,3-Dichlorobenzene	11.70	111	328		N.D.	
86) 1,4-Dichlorobenzene	11.79	146	987		N.D.	
87) n-Butylbenzene	12.14	91	2123		N.D.	
88) 1,2-Dichlorobenzene	12.17	146	1376		N.D.	
89) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
90) 1,2,4-Trichlorobenzene	13.74	180	862		N.D.	
91) Hexachlorobutadiene	13.91	225	2517		N.D.	
92) Naphthalene	14.00	128	1388		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	2618		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913018.D 826025ML.M Tue Sep 19 11:35:22 2006



#11
 Acetone
 Concen: 1.79 ug/l
 RT: 2.54 min Scan# 374
 Delta R.T. 0.03 min
 Lab File: B0913018.D
 Acq: 13 Sep 2006 16:43

Tgt Ion:	43	Resp:	1546
Ion Ratio	Lower	Upper	
43	100		
58	10.2	29.2	43.8#



Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913018.D Vial: 10
Acq On : 13 Sep 2006 16:43 Operator: DGA
Sample : JPL20-012 TB-14-9/1/06 Inst : Buddha
Misc : #1 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913018.D 826025ML.M Tue Sep 19 11:35:27 2006

Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913018.D Vial: 10
Acq On : 13 Sep 2006 16:43 Operator: DGA
Sample : JPL20-012 TB-14-9/1/06 Inst : Buddha
Misc : #1 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913018.D 826025ML.M Tue Sep 19 15:34:35 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-013
 Lab File ID: B0913012.D
 Date Collected: 09/05/2006
 Date/Time Analyzed: 09/13/2006 13:19
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.52	
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____(uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-013
 Lab File ID: B0913012.D
 Date Collected: 09/05/2006
 Date/Time Analyzed: 09/13/2006 13:19
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.91	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

MW-6

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-013

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913012.D

Level: (LOW/MED) _____

Date Collected: 09/05/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/13/2006 13:19

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-6

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL20-013

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913012.D

Level: (LOW/MED) _____

Date Collected: 09/06/2006

% Moisture: not dec. _____

Date Analyzed: 09/13/2006

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

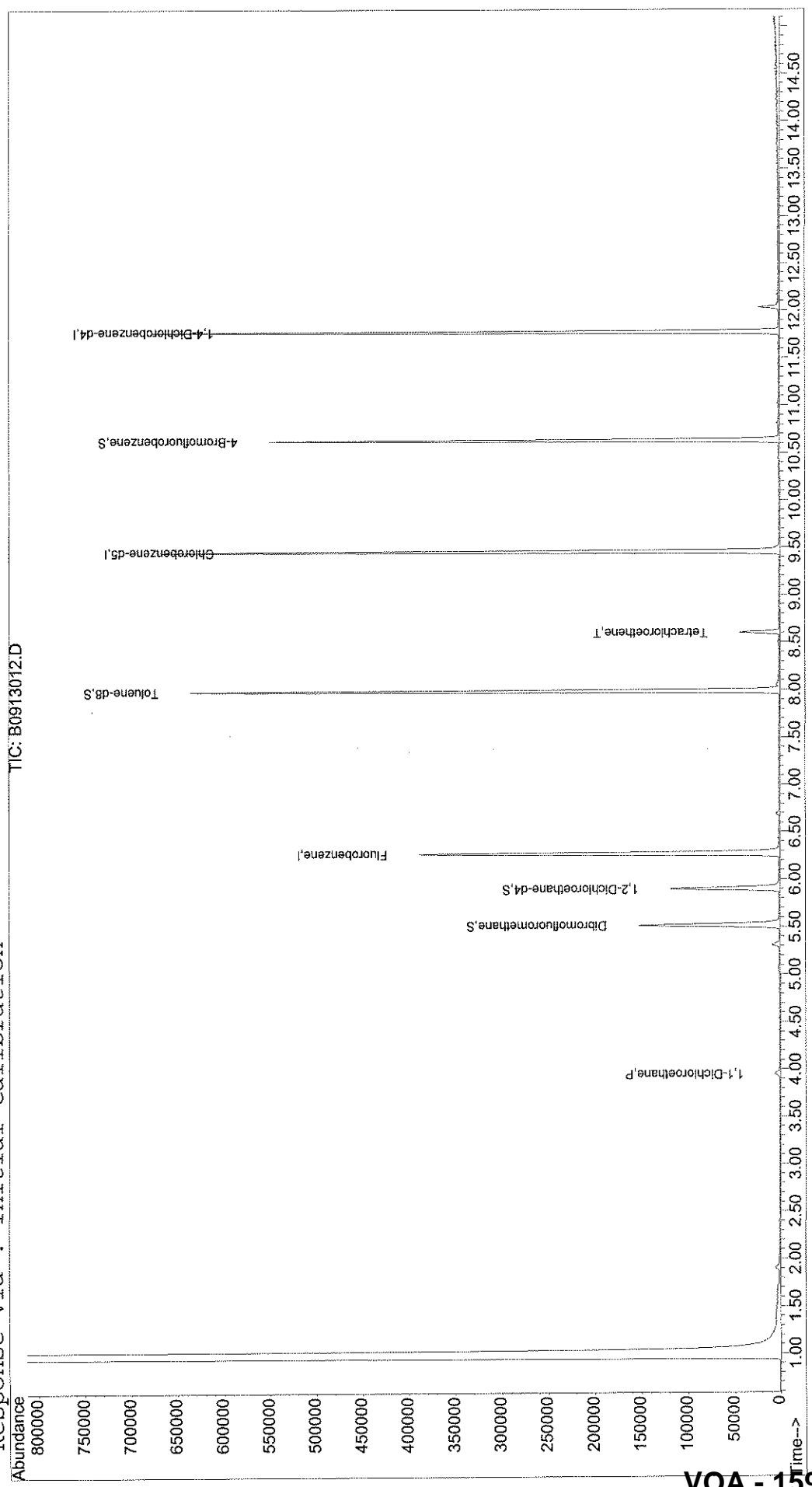
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913012.D Vial: 7
Acq On : 13 Sep 2006 13:19 Operator: DGA
Sample : JPL20-013 MW-6 Inst : Buddha
Misc : # 2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 11:15 2006 Quant Results File: 826025ML.RE5

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260 - 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913012.D
 Acq On : 13 Sep 2006 13:19
 Sample : JPL20-013 MW-6
 Misc : # 2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:15 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	334020	10.00	ug/l	0.00 70.99%
51) Chlorobenzene-d5	9.45	82	174524	10.00	ug/l	0.00 75.44%
71) 1,4-Dichlorobenzene-d4	11.77	152	165575	10.00	ug/l	0.00 59.60%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	94682	10.26	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	104562	10.36	ug/l	0.00
52) Toluene-d8	7.99	98	372644	10.10	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	139015	11.14	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	1.91	101	4490	Below Cal	#	97
8) 1,1-Dichloroethene	2.39	96	175	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.52	43	77	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.61	76	143	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	2.93	43	68	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.17	43	30	N.D.		
23) 1,1-Dichloroethane	3.95	63	7882	0.52	ug/l	78
24) Chloroprene	4.06	53	33	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	4.80	96	30	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0913012.D 826025ML.M Tue Sep 19 11:15:40 2006

J 09/19/06
 Page 1
 VOA - 160

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913012.D
 Acq On : 13 Sep 2006 13:19
 Sample : JPL20-013 MW-6
 Misc : # 2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:15 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	0.00	54	0		N.D.	
28) 2-Butanone	4.90	43	89		N.D.	
29) Bromochloromethane	5.29	128	40		N.D.	
30) Methacrylonitrile	5.17	41	30		N.D.	
31) Chloroform	5.31	83	2913		N.D.	
33) 1,1,1-Trichloroethane	5.49	97	31		N.D.	
34) Cyclohexane	5.52	56	35		N.D.	
35) Carbon Tetrachloride	5.56	117	44		N.D.	
36) Isobutanol	0.00	43	0		N.D.	d
37) 1,1-Dichloropropene	5.63	75	65		N.D.	
39) Benzene	5.91	78	75		N.D.	
40) 1,2-Dichloroethane	5.98	62	29		N.D.	
41) Trichloroethene	6.69	130	738		N.D.	
42) Methylcyclohexane	6.83	83	31		N.D.	
43) 1,2-Dichloropropane	0.00	63	0		N.D.	
44) Dibromomethane	6.98	93	36		N.D.	
45) Methyl methacrylate	7.17	41	38		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	
47) 2-Chloroethyl vinyl ether	7.70	63	31		N.D.	
48) Bromodichloromethane	7.29	83	115		N.D.	
49) cis-1,3-Dichloropropene	0.00	75	0		N.D.	
50) 4-Methyl-2-pentanone	7.89	43	58		N.D.	
53) Toluene	8.06	92	311		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	d
55) trans-1,3-Dichloropropene	8.25	75	29		N.D.	
56) 1,1,2-Trichloroethane	8.51	97	45		N.D.	
57) Tetrachloroethene	8.60	166	12715	0.91	ug/l	95
58) 2-Hexanone	8.75	43	37		N.D.	
59) 1,3-Dichloropropane	8.84	76	31		N.D.	
60) Dibromochloromethane	0.00	129	0		N.D.	
61) 1,2-Dibromoethane	9.03	107	31		N.D.	
62) Chlorobenzene	9.51	112	48		N.D.	
63) 1-Chlorohexane	9.60	91	32		N.D.	
64) Ethylbenzene	9.60	91	32		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-Xylene	9.70	106	62		N.D.	
67) o-xylene	10.08	106	32		N.D.	
68) Styrene	10.04	104	40		N.D.	
69) Bromoform	10.33	173	65		N.D.	
70) Isopropylbenzene	10.46	105	45		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.98	83	36		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913012.D 826025ML.M Tue Sep 19 11:15:41 2006

[Handwritten signature]
 Page 2
VOA - 161

Quantitation Report

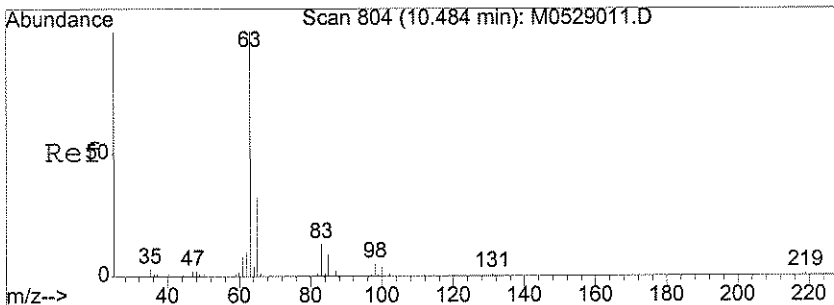
Data File : T:\MSDCHEM\1\DATA\091306\B0913012.D
 Acq On : 13 Sep 2006 13:19
 Sample : JPL20-013 MW-6
 Misc : # 2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:15 2006

Vial: 7
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

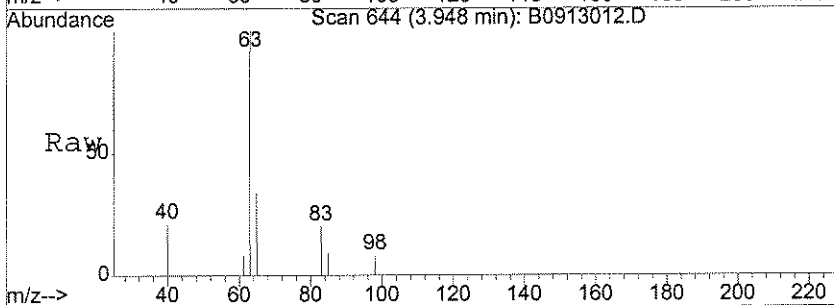
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.82	120	61		N.D.	
75) trans-1,4-Dichloro-2-buten	10.61	53	39		N.D.	
76) Bromobenzene	10.66	156	39		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
78) 2-Chlorotoluene	10.96	91	36		N.D.	
79) 1,3,5-Trimethylbenzene	11.17	105	39		N.D.	
80) 4-Chlorotoluene	11.07	91	110		N.D.	
81) tert-Butylbenzene	11.36	119	110		N.D.	
82) 1,2,4-Trimethylbenzene	11.42	105	124		N.D.	
83) sec-butylbenzene	11.58	105	63		N.D.	
84) 4-Isopropyltoluene	11.73	119	140		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.79	146	32		N.D.	
87) n-Butylbenzene	12.12	91	99		N.D.	
88) 1,2-Dichlorobenzene	12.17	146	301		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.16	157	31		N.D.	
90) 1,2,4-Trichlorobenzene	13.74	180	33		N.D.	
91) Hexachlorobutadiene	13.92	225	71		N.D.	
92) Naphthalene	14.00	128	68		N.D.	
93) 1,2,3-Trichlorobenzene	14.24	180	51		N.D.	

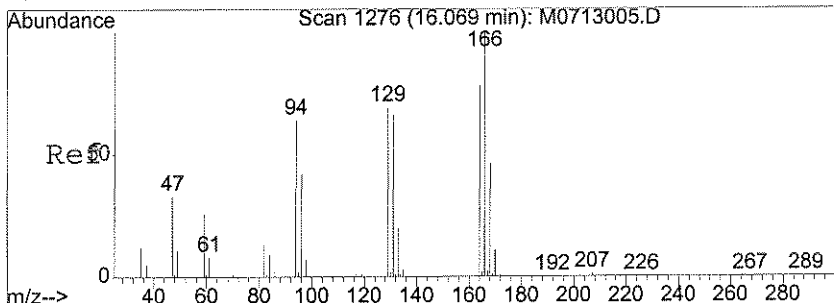
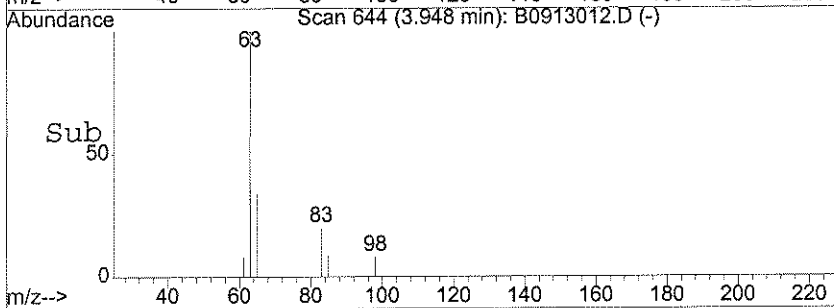
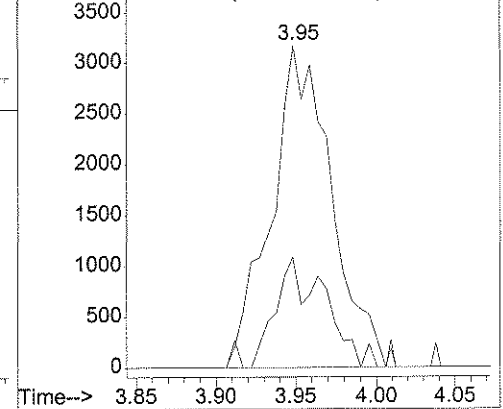


#23
 1,1-Dichloroethane
 Concen: 0.52 ug/l
 RT: 3.95 min Scan# 644
 Delta R.T. 0.01 min
 Lab File: B0913012.D
 Acq: 13 Sep 2006 13:19

Tgt Ion: 63 Resp: 7882
 Ion Ratio Lower Upper
 63 100
 65 18.1 10.0 50.0

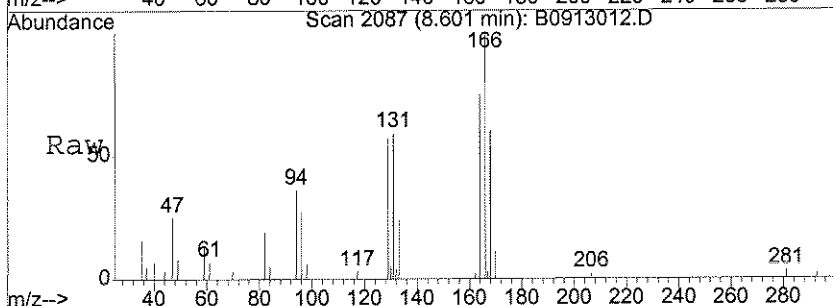


Abundance Ion 63.00 (62.70 to 63.70): B0913012.D
 Ion 65.00 (64.70 to 65.70): B0913012.D

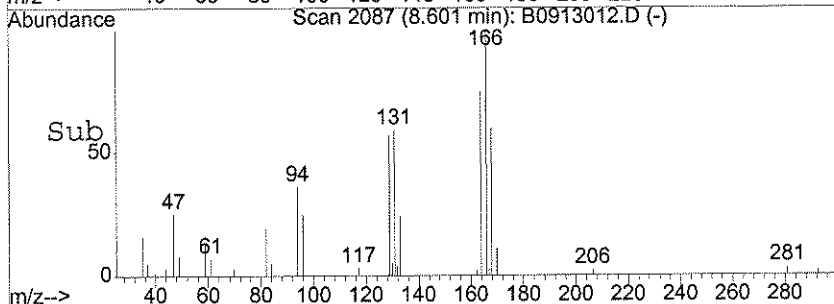
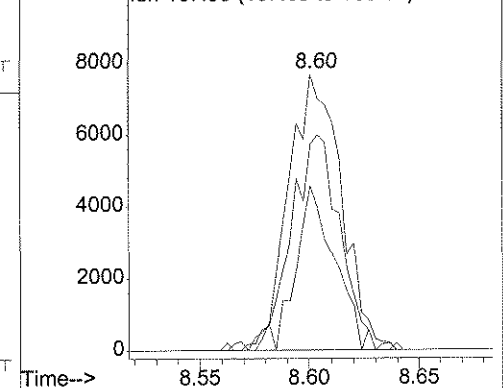


#57
 Tetrachloroethene
 Concen: 0.91 ug/l
 RT: 8.60 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: B0913012.D
 Acq: 13 Sep 2006 13:19

Tgt Ion: 166 Resp: 12715
 Ion Ratio Lower Upper
 166 100
 164 72.4 60.8 91.2
 168 44.8 39.4 59.0



Abundance Ion 165.95 (165.65 to 166.65): B0913012.D
 Ion 163.95 (163.65 to 164.65): B0913012.D
 Ion 167.95 (167.65 to 168.65): B0913012.D



Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913012.D Vial: 7
Acq On : 13 Sep 2006 13:19 Operator: DGA
Sample : JPL20-013 MW-6 Inst : Buddha
Misc : # 2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913012.D 826025ML.M Tue Sep 19 11:15:46 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-6-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-015
 Lab File ID: B0913013.D
 Date Collected: 09/05/2006
 Date/Time Analyzed: 09/13/2006 13:49
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.48	J
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.36	J
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-6-3Q06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-015
 Lab File ID: B0913013.D
 Date Collected: 09/05/2006
 Date/Time Analyzed: 09/13/2006 13:49
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.83	
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

DUPE-6-3Q06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-015

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913013.D

Level: (LOW/MED) _____

Date Collected: 09/05/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/13/2006 13:49

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DUPE-6-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-015
 Lab File ID: B0913013.D
 Date Collected: 09/06/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

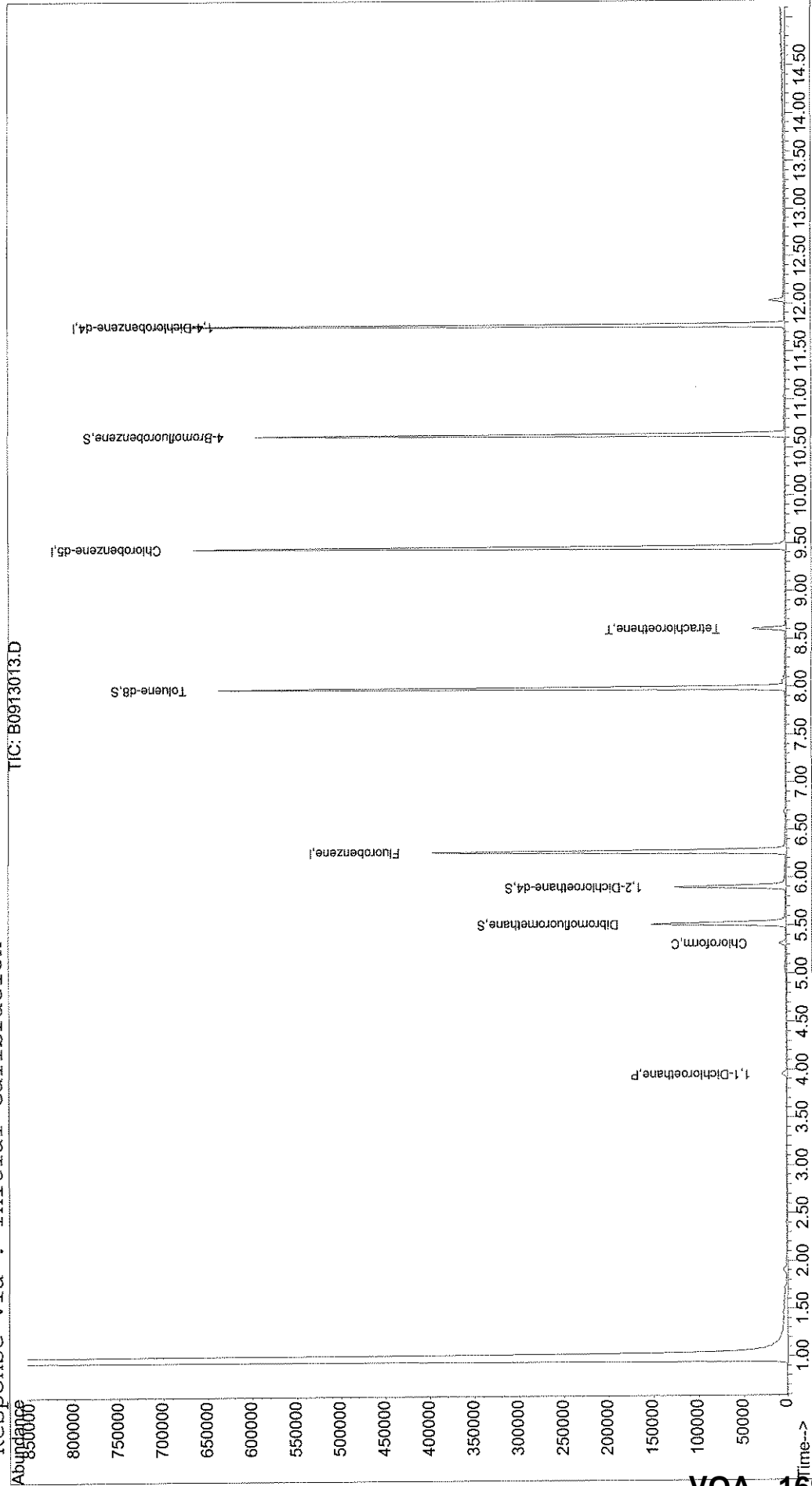
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913013.D Vial: 10
Acq On : 13 Sep 2006 13:49 Operator: DGA
Sample : JPL20-015 DUPE-6-3Q06 Inst : Buddha
Misc : #3 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 11:17 2006 Quant Results File: 826025ML.RE5

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913013.D
 Acq On : 13 Sep 2006 13:49
 Sample : JPL20-015 DUPE-6-3Q06
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:17 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	6.27	96	329131	10.00	ug/l	0.01 69.95%
51) Chlorobenzene-d5	9.45	82	175113	10.00	ug/l	0.00 75.70%
71) 1,4-Dichlorobenzene-d4	11.77	152	175772	10.00	ug/l	0.00 63.27%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	97101	10.68	ug/l	0.00
38) 1,2-Dichloroethane-d4	5.90	65	106051	10.66	ug/l	0.01
52) Toluene-d8	7.98	98	367594	9.93	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	143717	10.85	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	0.00	62	0	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.	d	
8) 1,1-Dichloroethene	2.40	96	193	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	2.52	43	66	N.D.		
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	0.00	76	0	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	2.92	43	64	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.	d	
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	4.07	43	29	N.D.		
23) 1,1-Dichloroethane	3.94	63	7207m	0.48	ug/l	43
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	4.70	77	31	N.D.		
26) cis-1,2-Dichloroethene	0.00	96	0	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0913013.D 826025ML.M Tue Sep 19 11:17:49 2006

f 09/19/06
VOA - 170
 Page 1

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913013.D
 Acq On : 13 Sep 2006 13:49
 Sample : JPL20-015 DUPE-6-3Q06
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:17 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	0.00	54	0	N.D.		
28) 2-Butanone	4.91	43	35	N.D.		
29) Bromochloromethane	5.17	128	44	N.D.		
30) Methacrylonitrile	5.13	41	32	N.D.		
31) Chloroform	5.31	83	6416	0.36	ug/l	87
33) 1,1,1-Trichloroethane	5.40	97	29	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	5.64	117	68	N.D.		
36) Isobutanol	0.00	43	0	N.D.	d	
37) 1,1-Dichloropropene	5.57	75	37	N.D.		
39) Benzene	5.92	78	29	N.D.		
40) 1,2-Dichloroethane	5.94	62	32	N.D.		
41) Trichloroethene	6.68	130	246	N.D.		
42) Methylcyclohexane	6.70	83	29	N.D.		
43) 1,2-Dichloropropane	7.06	63	31	N.D.		
44) Dibromomethane	7.18	93	30	N.D.		
45) Methyl methacrylate	7.02	41	30	N.D.		
46) 1,4-Dioxane	0.00	88	0	N.D.	d	
47) 2-Chloroethyl vinyl ether	7.74	63	31	N.D.		
48) Bromodichloromethane	7.29	83	189	N.D.		
49) cis-1,3-Dichloropropene	7.60	75	30	N.D.		
50) 4-Methyl-2-pentanone	7.92	43	63	N.D.		
53) Toluene	8.05	92	410	N.D.		
54) Ethyl methacrylate	0.00	69	0	N.D.		
55) trans-1,3-Dichloropropene	8.44	75	33	N.D.		
56) 1,1,2-Trichloroethane	8.47	97	30	N.D.		
57) Tetrachloroethene	8.61	166	11620	0.83	ug/l	93
58) 2-Hexanone	8.76	43	31	N.D.		
59) 1,3-Dichloropropane	8.79	76	32	N.D.		
60) Dibromochloromethane	0.00	129	0	N.D.		
61) 1,2-Dibromoethane	0.00	107	0	N.D.		
62) Chlorobenzene	9.48	112	35	N.D.		
63) 1-Chlorohexane	9.57	91	36	N.D.		
64) Ethylbenzene	9.57	91	36	N.D.		
65) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
66) m,p-Xylene	9.56	106	30	N.D.		
67) o-xylene	10.24	106	29	N.D.		
68) Styrene	10.09	104	29	N.D.		
69) Bromoform	0.00	173	0	N.D.		
70) Isopropylbenzene	10.47	105	32	N.D.		
73) 1,1,2,2-Tetrachloroethane	10.73	83	50	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0913013.D 826025ML.M Tue Sep 19 11:17:49 2006

[Handwritten Signature]
 Page 2
VOA - 171

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913013.D
 Acq On : 13 Sep 2006 13:49
 Sample : JPL20-015 DUPE-6-3Q06
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:17 2006

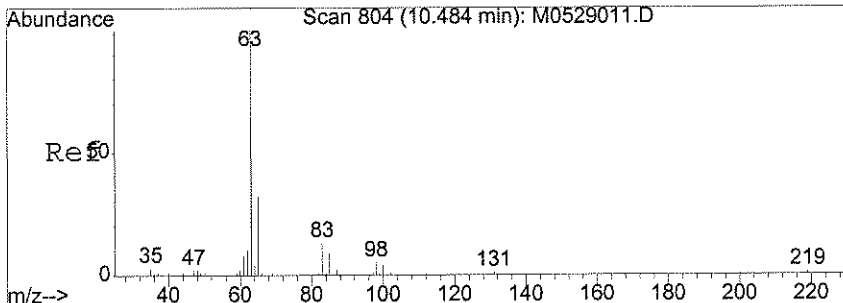
Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

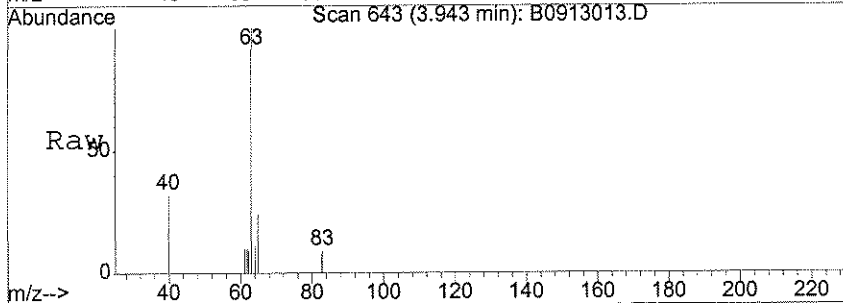
Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.95	120	31		N.D.	
75) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
76) Bromobenzene	10.86	156	30		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.96	91	42		N.D.	
79) 1,3,5-Trimethylbenzene	10.92	105	37		N.D.	
80) 4-Chlorotoluene	11.08	91	47		N.D.	
81) tert-Butylbenzene	0.00	119	0		N.D.	
82) 1,2,4-Trimethylbenzene	11.40	105	41		N.D.	
83) sec-butylbenzene	11.57	105	85		N.D.	
84) 4-Isopropyltoluene	11.72	119	34		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.80	146	38		N.D.	
87) n-Butylbenzene	12.14	91	96		N.D.	
88) 1,2-Dichlorobenzene	12.16	146	69		N.D.	
89) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
90) 1,2,4-Trichlorobenzene	13.75	180	49		N.D.	
91) Hexachlorobutadiene	13.90	225	35		N.D.	
92) Naphthalene	13.98	128	32		N.D.	
93) 1,2,3-Trichlorobenzene	13.93	180	55		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913013.D 826025ML.M Tue Sep 19 11:17:50 2006

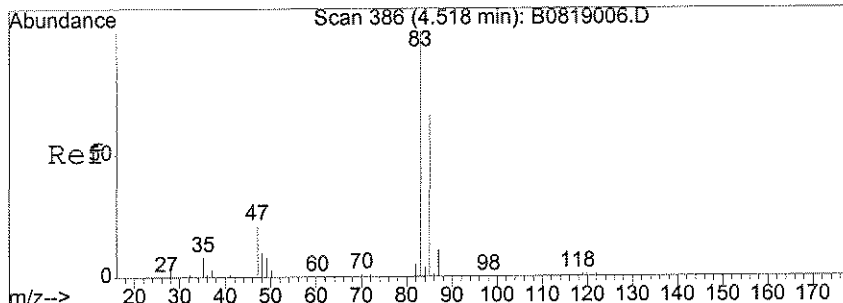
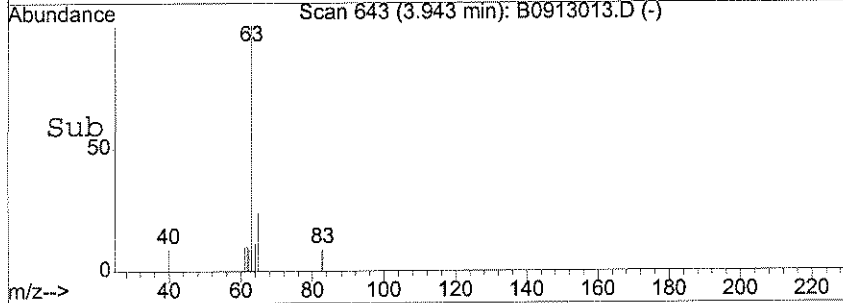
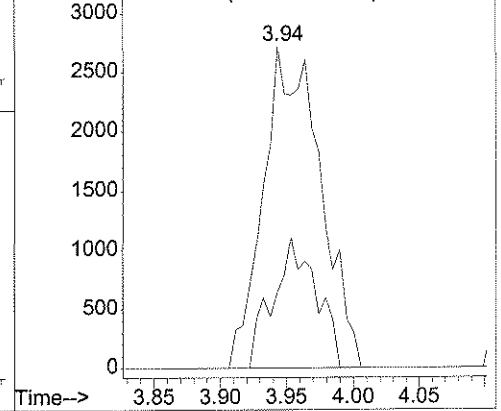


#23
 1,1-Dichloroethane
 Concen: 0.48 ug/l m
 RT: 3.94 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: B0913013.D
 Acq: 13 Sep 2006 13:49

Tgt Ion: 63 Resp: 7207
 Ion Ratio Lower Upper
 63 100
 65 34.9 10.0 50.0

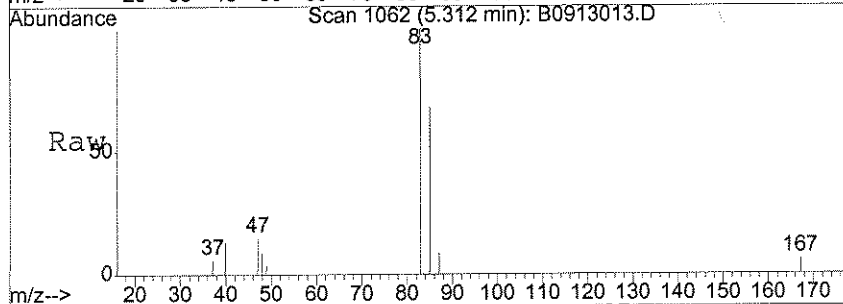


Abundance Ion 63.00 (62.70 to 63.70): B0913013.D
 Ion 65.00 (64.70 to 65.70): B0913013.D

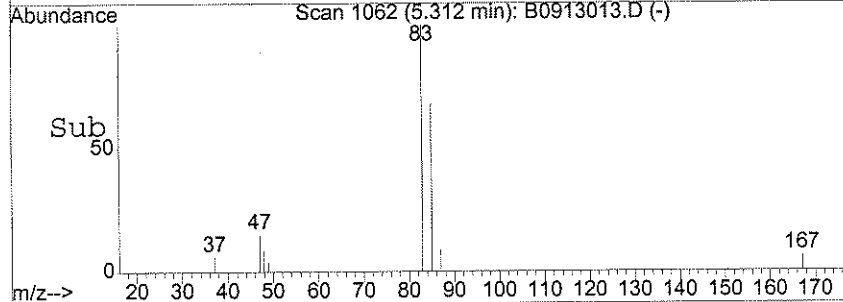
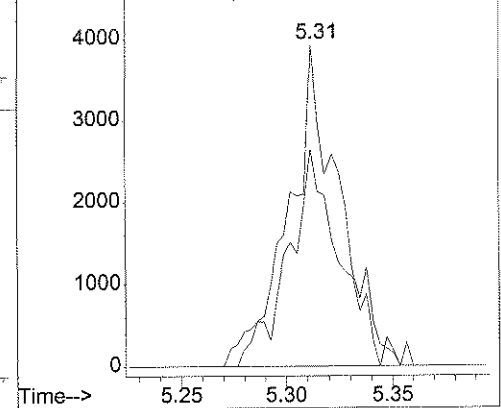


#31
 Chloroform
 Concen: 0.36 ug/l
 RT: 5.31 min Scan# 1062
 Delta R.T. 0.01 min
 Lab File: B0913013.D
 Acq: 13 Sep 2006 13:49

Tgt Ion: 83 Resp: 6416
 Ion Ratio Lower Upper
 83 100
 85 68.1 38.2 78.2



Abundance Ion 83.00 (82.70 to 83.70): B0913013.D
 Ion 85.00 (84.70 to 85.70): B0913013.D



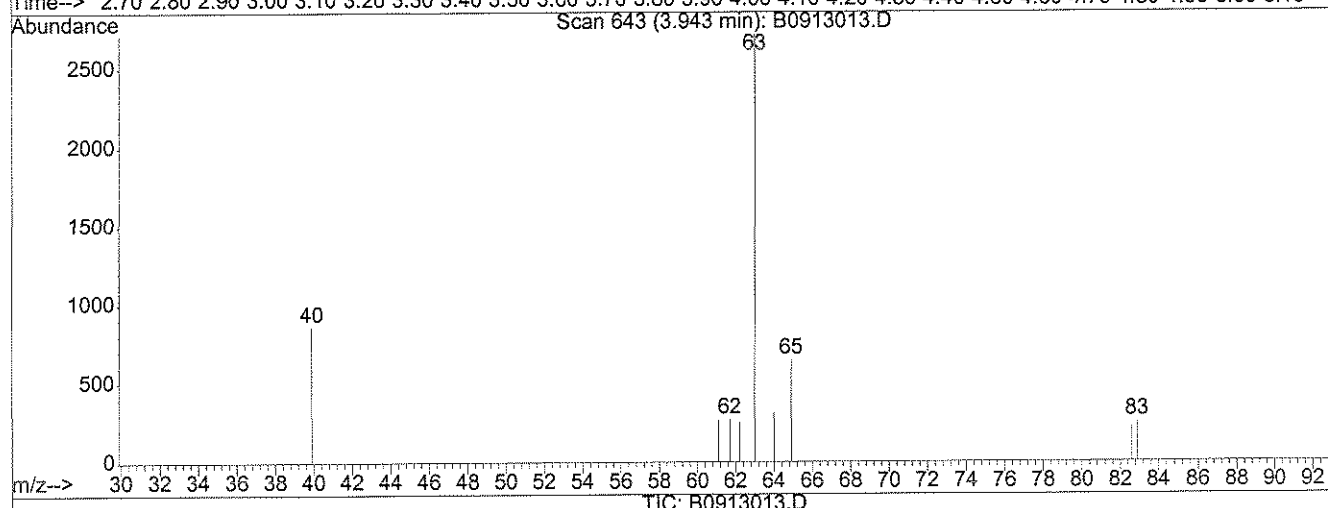
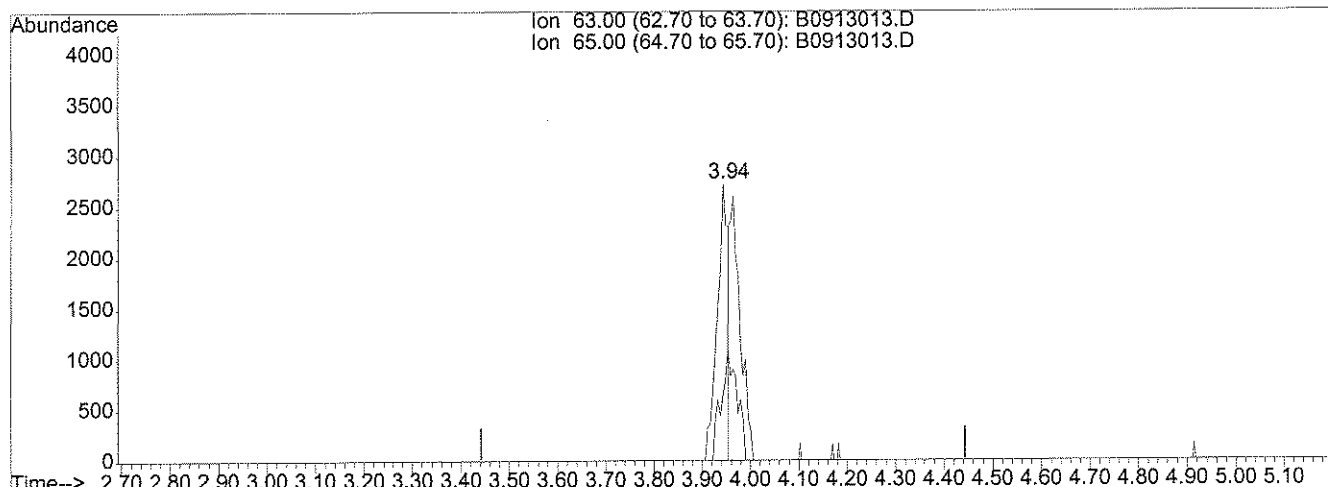
Quantitation Report (Qedit)

Data File : T:\MSDCHEM\1\DATA\091306\B0913013.D
 Acq On : 13 Sep 2006 13:49
 Sample : JPL20-015 DUPE-6-3Q06
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:17 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: temp.res

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Multiple Level Calibration



(23) 1,1-Dichloroethane (P)

3.94min 0.28ug/l

response 4135

Ion	Exp%	Act%
63.00	100	100
65.00	30.00	60.77#
0.00	0.00	0.00
0.00	0.00	0.00

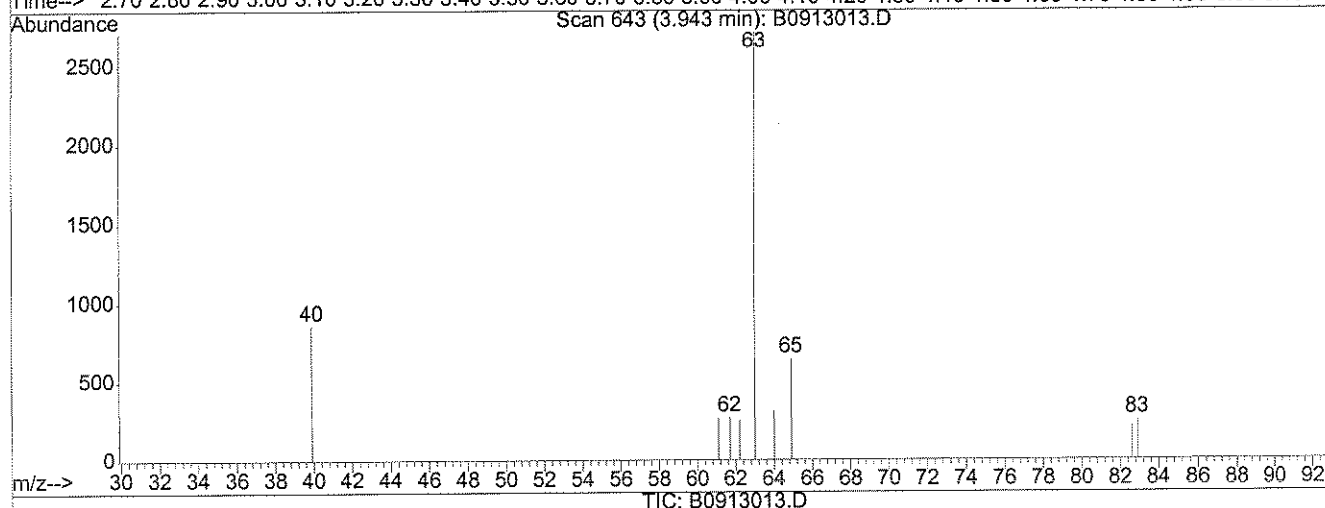
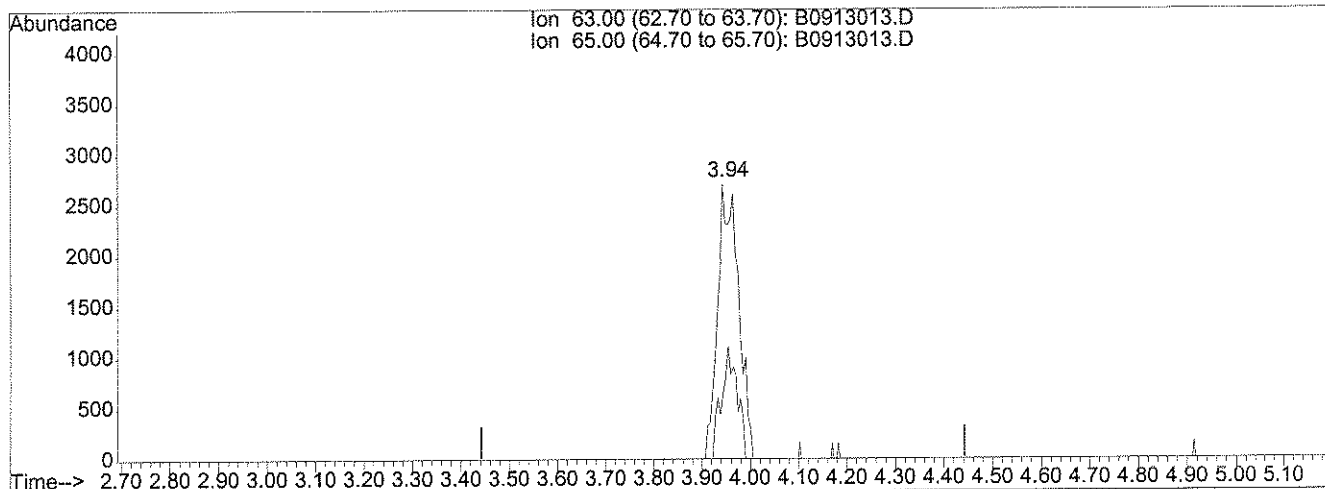
Quantitation Report (Qedit)

Data File : T:\MSDCHEM\1\DATA\091306\B0913013.D
 Acq On : 13 Sep 2006 13:49
 Sample : JPL20-015 DUPE-6-3Q06
 Misc : #3 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:17 2006

Vial: 10
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: temp.res

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Multiple Level Calibration

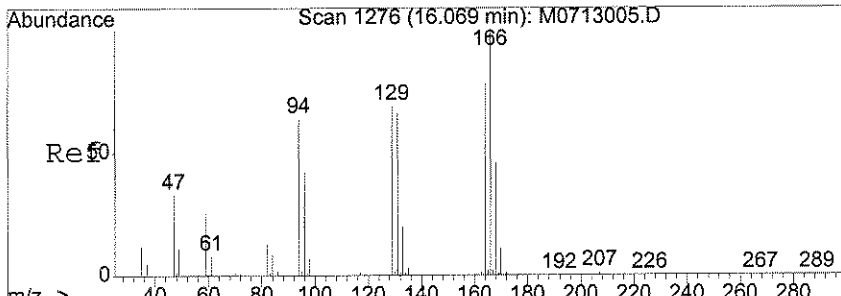


(23) 1,1-Dichloroethane (P)

3.94min 0.48ug/l m

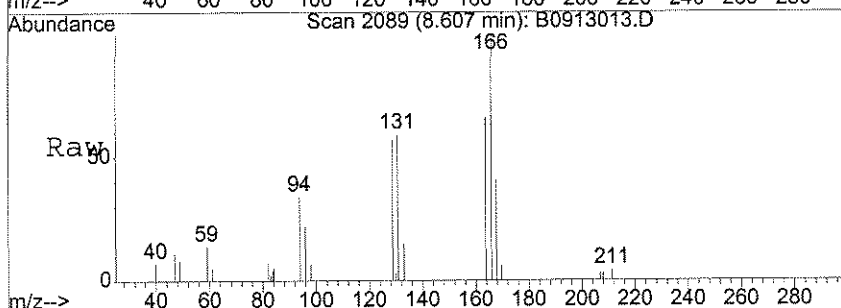
response 7207

Ion	Exp%	Act%
63.00	100	100
65.00	30.00	34.87
0.00	0.00	0.00
0.00	0.00	0.00

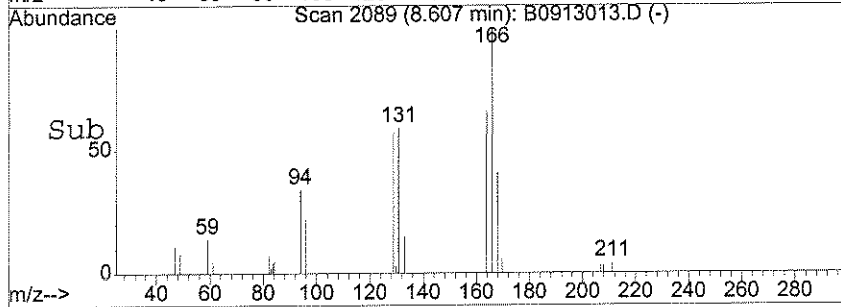
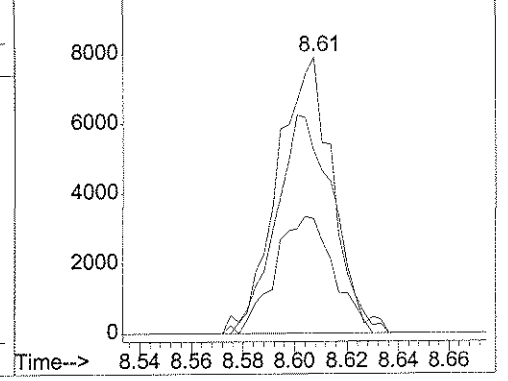


#57
 Tetrachloroethene
 Concen: 0.83 ug/l
 RT: 8.61 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: B0913013.D
 Acq: 13 Sep 2006 13:49

Tgt Ion	Resp	Lower	Upper
166	11620		
164	82.8	60.8	91.2
168	45.3	39.4	59.0



Abundance
 Ion 165.95 (165.65 to 166.65): B091301
 Ion 163.95 (163.65 to 164.65): B091301
 Ion 167.95 (167.65 to 168.65): B091301



Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913013.D Vial: 10
Acq On : 13 Sep 2006 13:49 Operator: DGA
Sample : JPL20-015 DUPE-6-3Q06 Inst : Buddha
Misc : #3 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913013.D 826025ML.M Tue Sep 19 11:17:54 2006

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-15-9/5/06

Lab Name: Laucks Testing Laboratories, Inc.

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/SED/WATER) Water

Lab Sample ID: JPL20-017

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913014.D

Level: (LOW/MED) _____

Date Collected: 09/05/2006

% Moisture: not dec. _____

Date/Time Analyzed: 09/13/2006 14:19

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____(uL)

Soil Aliquot Volume: _____(uL)

Heated Purge: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl chloride	0.50	U
74-83-9	Bromomethane	0.50	U
75-00-3	Chloroethane	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-35-4	1,1-Dichloroethene	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.50	U
75-09-2	Methylene chloride	0.50	U
1634-04-4	Methyl tert-butyl ether	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
594-20-7	2,2-Dichloropropane	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
78-93-3	2-Butanone	5.0	U
74-97-5	Bromochloromethane	0.50	U
67-66-3	Chloroform	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
563-58-6	1,1-Dichloropropene	0.50	U
71-43-2	Benzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
79-01-6	Trichloroethene	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
10061-01-	cis-1,3-Dichloropropene	0.50	U
108-10-1	4-Methyl-2-pentanone	5.0	U
108-88-3	Toluene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-15-9/5/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-017
 Lab File ID: B0913014.D
 Date Collected: 09/05/2006
 Date/Time Analyzed: 09/13/2006 14:19
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
10061-02-	trans-1,3-Dichloropropene	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
127-18-4	Tetrachloroethene	0.50	U
142-28-9	1,3-Dichloropropane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
108-90-7	Chlorobenzene	0.50	U
100-41-4	Ethylbenzene	0.50	U
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
179601-23	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.50	U
100-42-5	Styrene	0.50	U
75-25-2	Bromoform	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
103-65-1	n-Propylbenzene	0.50	U
108-86-1	Bromobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
95-49-8	2-Chlorotoluene	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
106-43-4	4-Chlorotoluene	0.50	U
98-06-6	tert-Butylbenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
99-87-6	4-Isopropyltoluene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
104-51-8	n-Butylbenzene	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U

1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TB-15-9/5/06

Lab Name: Laucks Testing Laboratories, Inc.
 SDG No.: JPL20
 Matrix: (SOIL/SED/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Heated Purge: (Y/N) N

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-017
 Lab File ID: B0913014.D
 Date Collected: 09/05/2006
 Date/Time Analyzed: 09/13/2006 14:19
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) <u>ug/L</u>	Q
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
91-20-3	Naphthalene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-15-9/5/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL20-017

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913014.D

Level: (LOW/MED) _____

Date Collected: 09/06/2006

% Moisture: not dec. _____

Date Analyzed: 09/13/2006

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

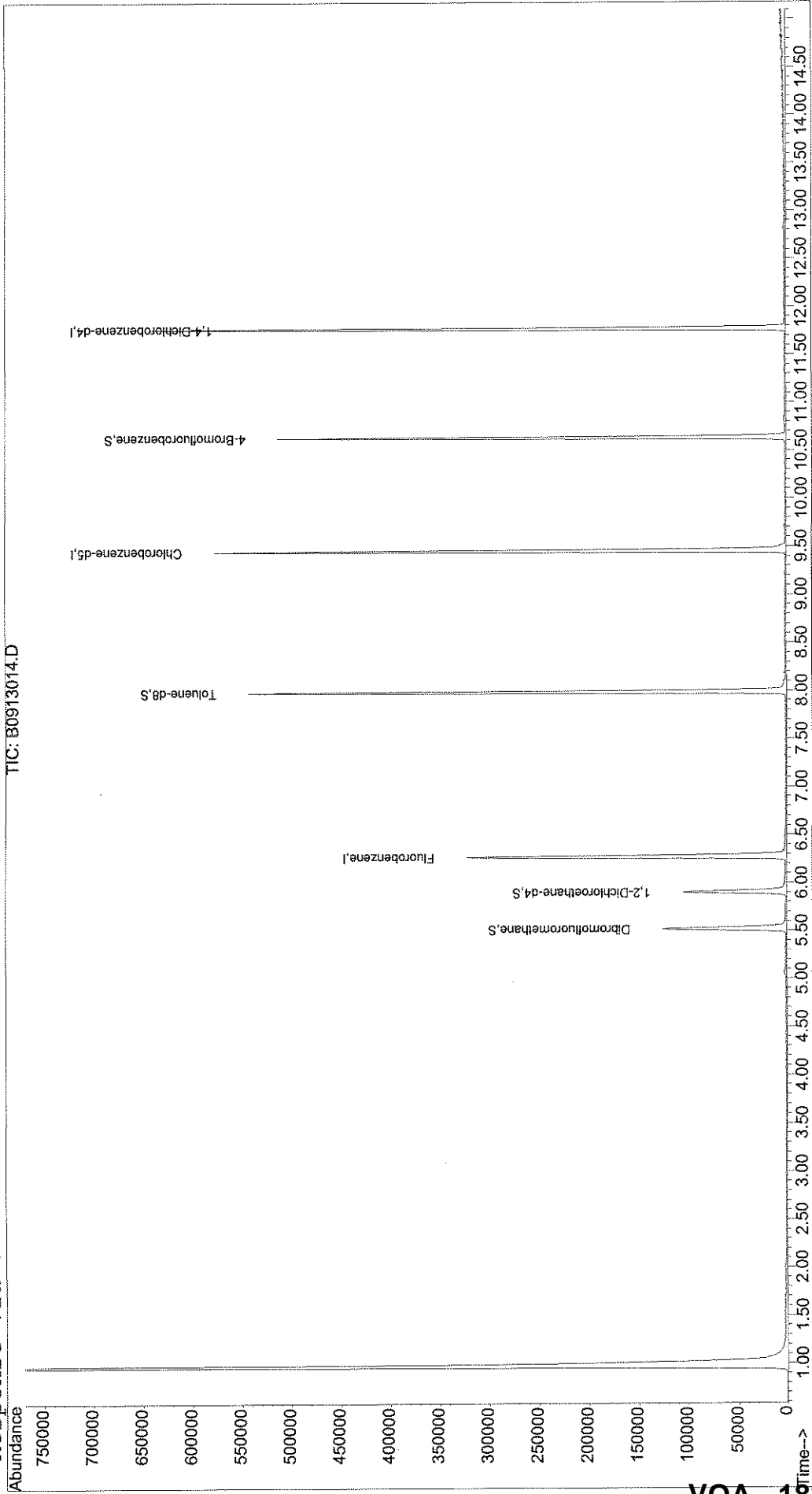
	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913014.D Vial: 11
Acq On : 13 Sep 2006 14:19 Operator: DGA
Sample : JPL20-017 TB-15-9/5/06 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Sep 19 11:19 2006 Quant Results File: 826025ML.RES

Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260 - 25ML
Last Update : Fri Sep 08 16:52:24 2006
Response via : Initial Calibration



Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913014.D
 Acq On : 13 Sep 2006 14:19
 Sample : JPL20-017 TB-15-9/5/06
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:19 2006

Vial: 11
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260
 IS QA File : T:\MSDCHEM\1\DATA\090806\B0908010.D (8 Sep 2006 12:10)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min) Rcv (Ar)
1) Fluorobenzene	6.27	96	279384	10.00	ug/l	0.01 59.37%
51) Chlorobenzene-d5	9.45	82	153248	10.00	ug/l	0.00 66.25%
71) 1,4-Dichlorobenzene-d4	11.77	152	155207	10.00	ug/l	0.00 55.87%

System Monitoring Compounds

32) Dibromofluoromethane	5.52	111	81431	10.55	ug/l	0.01
38) 1,2-Dichloroethane-d4	5.90	65	90614	10.73	ug/l	0.01
52) Toluene-d8	7.99	98	317987	9.81	ug/l	0.00
72) 4-Bromofluorobenzene	10.63	95	129193	11.05	ug/l	0.00

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.00	50	0	N.D.		
4) Vinyl Chloride	1.34	62	77	N.D.		
5) Bromomethane	0.00	96	0	N.D.		
6) Chloroethane	0.00	64	0	N.D.		
7) Trichlorofluoromethane	0.00	101	0	N.D.		
8) 1,1-Dichloroethene	0.00	96	0	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	0.00	101	0	N.D.		
11) Acetone	0.00	43	0	N.D.	d	
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	2.60	76	64	N.D.		
15) Allyl chloride	0.00	76	0	N.D.		
16) Acetonitrile	0.00	40	0	N.D.	d	
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	0.00	84	0	N.D.		
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	0.00	63	0	N.D.		
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	4.74	96	31	N.D.		

(#) = qualifier out of range (m) = manual integration
 B0913014.D 826025ML.M Tue Sep 19 11:19:35 2006

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913014.D
 Acq On : 13 Sep 2006 14:19
 Sample : JPL20-017 TB-15-9/5/06
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:19 2006

Vial: 11
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
27) Propionitrile	0.00	54	0		N.D.	
28) 2-Butanone	4.91	43	36		N.D.	
29) Bromochloromethane	0.00	128	0		N.D.	
30) Methacrylonitrile	5.20	41	38		N.D.	
31) Chloroform	5.31	83	36		N.D.	
33) 1,1,1-Trichloroethane	0.00	97	0		N.D.	
34) Cyclohexane	0.00	56	0		N.D.	
35) Carbon Tetrachloride	5.63	117	48		N.D.	
36) Isobutanol	0.00	43	0		N.D.	d
37) 1,1-Dichloropropene	5.76	75	29		N.D.	
39) Benzene	5.91	78	81		N.D.	
40) 1,2-Dichloroethane	5.99	62	33		N.D.	
41) Trichloroethene	6.69	130	99		N.D.	
42) Methylcyclohexane	0.00	83	0		N.D.	
43) 1,2-Dichloropropane	6.82	63	30		N.D.	
44) Dibromomethane	0.00	93	0		N.D.	
45) Methyl methacrylate	0.00	41	0		N.D.	
46) 1,4-Dioxane	0.00	88	0		N.D.	d
47) 2-Chloroethyl vinyl ether	7.58	63	50		N.D.	
48) Bromodichloromethane	0.00	83	0		N.D.	
49) cis-1,3-Dichloropropene	7.79	75	33		N.D.	
50) 4-Methyl-2-pentanone	7.92	43	79		N.D.	
53) Toluene	8.04	92	49		N.D.	
54) Ethyl methacrylate	0.00	69	0		N.D.	
55) trans-1,3-Dichloropropene	8.22	75	30		N.D.	
56) 1,1,2-Trichloroethane	8.52	97	44		N.D.	
57) Tetrachloroethene	8.65	166	29		N.D.	
58) 2-Hexanone	8.78	43	34		N.D.	
59) 1,3-Dichloropropane	0.00	76	0		N.D.	
60) Dibromochloromethane	8.79	129	33		N.D.	
61) 1,2-Dibromoethane	9.14	107	33		N.D.	
62) Chlorobenzene	9.47	112	39		N.D.	
63) 1-Chlorohexane	9.59	91	82		N.D.	
64) Ethylbenzene	9.59	91	82		N.D.	
65) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
66) m,p-Xylene	9.70	106	43		N.D.	
67) o-xylene	10.08	106	31		N.D.	
68) Styrene	10.13	104	45		N.D.	
69) Bromoform	0.00	173	0		N.D.	
70) Isopropylbenzene	10.47	105	42		N.D.	
73) 1,1,2,2-Tetrachloroethane	10.64	83	43		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913014.D 826025ML.M Tue Sep 19 11:19:36 2006

Quantitation Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913014.D
 Acq On : 13 Sep 2006 14:19
 Sample : JPL20-017 TB-15-9/5/06
 Misc : #2 25ML +IS/SS
 MS Integration Params: rteint.p
 Quant Time: Sep 19 11:19 2006

Vial: 11
 Operator: DGA
 Inst : Buddha
 Multiplr: 1.00

Quant Results File: 826025ML.RES

Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
 Title : VOA Standards for 6 point calibration 8260- 25ML
 Last Update : Fri Sep 08 16:52:24 2006
 Response via : Initial Calibration
 DataAcq Meth : 8260

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
74) n-Propylbenzene	10.95	120	30		N.D.	
75) trans-1,4-Dichloro-2-buten	10.59	53	31		N.D.	
76) Bromobenzene	10.78	156	31		N.D.	
77) 1,2,3-Trichloropropane	0.00	110	0		N.D.	d
78) 2-Chlorotoluene	10.90	91	32		N.D.	
79) 1,3,5-Trimethylbenzene	11.05	105	39		N.D.	
80) 4-Chlorotoluene	11.01	91	36		N.D.	
81) tert-Butylbenzene	11.36	119	34		N.D.	
82) 1,2,4-Trimethylbenzene	11.59	105	41		N.D.	
83) sec-butylbenzene	11.59	105	41		N.D.	
84) 4-Isopropyltoluene	11.71	119	36		N.D.	
85) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
86) 1,4-Dichlorobenzene	11.79	146	90		N.D.	
87) n-Butylbenzene	12.13	91	75		N.D.	
88) 1,2-Dichlorobenzene	12.27	146	68		N.D.	
89) 1,2-Dibromo-3-chloropropan	13.00	157	38		N.D.	
90) 1,2,4-Trichlorobenzene	13.76	180	38		N.D.	
91) Hexachlorobutadiene	13.91	225	37		N.D.	
92) Naphthalene	13.99	128	29		N.D.	
93) 1,2,3-Trichlorobenzene	14.43	180	41		N.D.	

(#) = qualifier out of range (m) = manual integration
 B0913014.D 826025ML.M Tue Sep 19 11:19:36 2006

Library Search Compound Report

Data File : T:\MSDCHEM\1\DATA\091306\B0913014.D Vial: 11
Acq On : 13 Sep 2006 14:19 Operator: DGA
Sample : JPL20-017 TB-15-9/5/06 Inst : Buddha
Misc : #2 25ML +IS/SS Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Method : T:\MSDCHEM\1\QUANT\826025ML.M (RTE Integrator)
Title : VOA Standards for 6 point calibration 8260- 25ML
Library : D:\DATABASE\NIST129K.L

No Library Search Compounds Detected

B0913014.D 826025ML.M Tue Sep 19 11:19:39 2006

Miscellaneous Inorganic Data

JPL20

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE


Lab Name: LAUCKS TESTING LABS, INC.

Lab Code: LAUCKS

SDG No.: JPL20

Client Identification	Lab Sample Work Order Number
MW-13	JPL20-001
MW-16	JPL20-002
DUPE-3-3Q06	JPL20-003
DUPE-4-3Q06	JPL20-004
DUPE-4-3Q06MS	JPL20-004MS
DUPE-4-3Q06MSD	JPL20-004MSD
MW-7	JPL20-006
MW-8	JPL20-007
Dupe-5-3Q06	JPL20-008
Dupe-5-3Q06MS	JPL20-008MS
Dupe-5-3Q06MSD	JPL20-008MSD
MW-10	JPL20-010DL
MW-10MS	JPL20-010MS
MW-10MSD	JPL20-010MSD
MW-5	JPL20-011DL
MW-6	JPL20-013DL
DUPE-6-3Q06	JPL20-015DL

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Jennifer Penner

Date: 9-27-06

Title: Inorganics Lead

Inorganic Analysis Data Sheets

Laucks Testing Laboratories, Inc.

Final Results

Client:	Battelle	Project:	JPL Groundwater Monitoring
SDG Number:	JPL20		
Sample Number:	MW-16	Date/Time Collected:	08/30/2006 11:17
Lab Sample ID:	JPL20-002	Date/Time Received:	08/31/2006 08:30
Method:	E300.0	Unit:	mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	10	8.9		0.40	0.17	09/01/2006	09/01/2006	R010157
Nitrite - N	14797-65-0	1	0.050	U	0.050	0.021	09/01/2006	09/01/2006	R010157
Sulfate as SO4	14808-79-8	10	35		10	0.88	09/01/2006	09/01/2006	R010157
Chloride	16887-00-6	10	25		2.0	0.70	09/01/2006	09/01/2006	R010157
Orthophosphate	7723-14-0	1	0.10	U	0.10	0.092	09/01/2006	09/01/2006	R010157

Method:	E314.0	Unit:	ug/L
----------------	--------	--------------	------

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1000	4600		1000	540	09/21/2006	09/22/2006	R010694

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL20
Sample Number: DUPE-4-3Q06 **Date/Time Collected:** 08/30/2006 00:00
Lab Sample ID: JPL20-004 **Date/Time Received:** 08/31/2006 08:30
Method: E300.0 **Unit:** mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	10	8.8		0.40	0.17	09/01/2006	09/01/2006	R010157
Nitrite - N	14797-65-0	1	0.050	U	0.050	0.021	09/01/2006	09/01/2006	R010157
Sulfate as SO4	14808-79-8	10	33		10	0.88	09/01/2006	09/01/2006	R010157
Chloride	16887-00-6	10	26		2.0	0.70	09/01/2006	09/01/2006	R010157
Orthophosphate	7723-14-0	1	0.10	U	0.10	0.092	09/01/2006	09/01/2006	R010157

Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	100	4900		100	54	09/21/2006	09/22/2006	R010694

Cutie, Betsy

From: Cutie, Betsy
Sent: Friday, November 10, 2006 3:14 PM
To: Cutie, Betsy
Subject: FW: Perchlorate duplicate

From: Mike Baxter [mailto:MikeB@lauckslabs.com]
Sent: Friday, November 10, 2006 2:18 PM
To: Conner, David J
Cc: Cutie, Betsy; Hugh Prentice
Subject: RE: Perchlorate duplicate

David,

The performing chemist is no longer with the lab, but the current chemist reviewed the data and determined that the sample should have been a not-detect at 4.0 ug/L. (The actual measured concentration is 3.2 ug/L.) We will investigate further how the result manifested itself as 13.0 ug/L, but the correct result should be 4.0 U ug/L.

Mike Baxter
 Laucks Testing Laboratories, Inc.
A Service-Disabled Veteran-Owned Small Business
 Direct: 206-957-2422
 Main: 206-767-5060
 Fax: 206-767-5063
 mikeb@lauckslabs.com

From: Cutie, Betsy
Sent: Thursday, November 02, 2006 3:56 PM
To: Hugh Prentice (hughp@lauckslabs.com)
Subject: Perchlorate duplicate

Hugh,

Can you take a look at one last duplicate set that was not comparable?

Perchlorate	MW-8 (JPL20-007) = 4.0U ug/L	MW-8 Dupe (JPL20-008) = 13.0 ug/L
-------------	---------------------------------	--------------------------------------

Thanks,
Betsy Cutie
 Quality Assurance Officer
 Environmental Restoration
 Battelle Columbus
 Ph: 614-424-4899

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL20
Sample Number: MW-10 **Date/Time Collected:** 09/01/2006 08:42
Lab Sample ID: JPL20-010 **Date/Time Received:** 09/05/2006 08:25
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	26		4.0	2.2	09/21/2006	09/22/2006	R010694

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL20
Sample Number: MW-5 **Date/Time Collected:** 09/01/2006 10:20
Lab Sample ID: JPL20-011 **Date/Time Received:** 09/05/2006 08:25
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/21/2006	09/22/2006	R010694

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL20
Sample Number: MW-6 **Date/Time Collected:** 09/05/2006 10:55
Lab Sample ID: JPL20-013 **Date/Time Received:** 09/06/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/21/2006	09/22/2006	R010694

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle **Project:** JPL Groundwater Monitoring
SDG Number: JPL20
Sample Number: DUPE-6-3Q06 **Date/Time Collected:** 09/05/2006 00:00
Lab Sample ID: JPL20-015 **Date/Time Received:** 09/06/2006 08:30
Method: E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0	U	4.0	2.2	09/21/2006	09/22/2006	R010694

Metals Data

JPL20

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

SOW No.: _____

Sample No.	Lab Sample ID
MW-13	JPL20-001
MW-16	JPL20-002
DUPE-3-3Q06	JPL20-003
DUPE-4-3Q06	JPL20-004
MW-7	JPL20-006
MW-8	JPL20-007
Dupe-5-3Q06	JPL20-008
MW-10	JPL20-010
MW-10MS	JPL20-010MS
MW-10MSD	JPL20-010MSD
MW-5	JPL20-011
MW-6	JPL20-013
MW-15	JPL20-014
DUPE-6-3Q06	JPL20-015
DUPE-7-3Q06	JPL20-016

Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No NO

If yes-was raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is technically complete, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Cheronne Oreiro

Date: 09/27/2006

Title: Metals Lead

Metals Analysis Data Sheets

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-13

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-001

Level (low/med): LOW

Date Received: 08/31/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	14.8				R010864

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-16

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-002

Level (low/med): LOW

Date Received: 08/31/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	8.39				R010864

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

DUPE-3-3Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-003

Level (low/med): LOW

Date Received: 08/31/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	15.7				R010864

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

DUPE-4-3Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-004

Level (low/med): LOW

Date Received: 08/31/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.06				R010864

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-7

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-006

Level (low/med): LOW

Date Received: 09/01/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.86				R010864

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-8

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-007

Level (low/med): LOW

Date Received: 09/01/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.89				R010864

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

Dupe-5-3Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-008

Level (low/med): LOW

Date Received: 09/01/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	22.2				R010864

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-10

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-010

Level (low/med): LOW

Date Received: 09/05/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	22.6				R010864

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-5

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-011

Level (low/med): LOW

Date Received: 09/05/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.00	U			R010890

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-6

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-013

Level (low/med): LOW

Date Received: 09/06/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	3.73				R010890

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-15

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-014

Level (low/med): LOW

Date Received: 09/06/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	6.00				R010890

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

DUPE-6-3Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-015

Level (low/med): LOW

Date Received: 09/06/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	5.41				R010890

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

DUPE-7-3Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL20

Matrix (soil/water): Water

Lab Sample ID: JPL20-016

Level (low/med): LOW

Date Received: 09/06/2006

% Solids: _____

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	Run Seq.
7440-47-3	Chromium	2.00	U			R010890

Color Before: Colorless Clarity Before: Clear Texture: _____

Color After: Colorless Clarity After: Clear Artifacts: No

Comment _____

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-13

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-001
 Lab File ID: B0912007.D
 Date Collected: 08/31/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-16

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-002
 Lab File ID: B0912008.D
 Date Collected: 08/31/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DUPE-3-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-003
 Lab File ID: B0912009.D
 Date Collected: 08/31/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DUPE-4-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-004
 Lab File ID: B0912010.D
 Date Collected: 08/31/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-12-8/30/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec.
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-005
 Lab File ID: B0912012.D
 Date Collected: 08/31/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-7

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010495
 Lab Sample ID: JPL20-006
 Lab File ID: B0912011.D
 Date Collected: 09/01/2006
 Date Analyzed: 09/12/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-8

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-007
 Lab File ID: B0913007.D
 Date Collected: 09/01/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

Dupe-5-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-008
 Lab File ID: B0913008.D
 Date Collected: 09/01/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-13-8/31/06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-009
 Lab File ID: B0913017.D
 Date Collected: 09/01/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-10

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL20-010

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913009.D

Level: (LOW/MED) _____

Date Collected: 09/05/2006

% Moisture: not dec. _____

Date Analyzed: 09/13/2006

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-5

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-011
 Lab File ID: B0913010.D
 Date Collected: 09/05/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-14-9/1/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL20-012

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913018.D

Level: (LOW/MED) _____

Date Collected: 09/05/2006

% Moisture: not dec.

Date Analyzed: 09/13/2006

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

MW-6

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL20-013

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913012.D

Level: (LOW/MED) _____

Date Collected: 09/06/2006

% Moisture: not dec. _____

Date Analyzed: 09/13/2006

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

DUPE-6-3Q06

Lab Name: Laucks Testing Laboratories, Inc
 SDG No.: JPL20
 Matrix: (SOIL/WATER) Water
 Sample wt/vol: 25.0 (g/mL) mL
 Level: (LOW/MED) _____
 % Moisture: not dec. _____
 GC Column: ZB-624 20m ID: 0.18 (mm)
 Soil Extract Volume: _____ (uL)
 Number TICs Found: 0

Contract: JPL Groundwater Monitorin
 Run Sequence: R010625
 Lab Sample ID: JPL20-015
 Lab File ID: B0913013.D
 Date Collected: 09/06/2006
 Date Analyzed: 09/13/2006
 Dilution Factor: 1.0
 Soil Aliquot Volume: _____ (uL)
 CONCENTRATION UNITS:
 (ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

1 TIC
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE NO.

TB-15-9/5/06

Lab Name: Laucks Testing Laboratories, Inc

Contract: JPL Groundwater Monitorin

SDG No.: JPL20

Run Sequence: R010625

Matrix: (SOIL/WATER) Water

Lab Sample ID: JPL20-017

Sample wt/vol: 25.0 (g/mL) mL

Lab File ID: B0913014.D

Level: (LOW/MED) _____

Date Collected: 09/06/2006

% Moisture: not dec. _____

Date Analyzed: 09/13/2006

GC Column: ZB-624 20m ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs Found: 0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Comments:

CAS CSR #L0601051

Table of Contents

Cover Letter.....	1
Acronym List.....	2
Case Narrative.....	3
Sample Cross-Reference.....	4
Chains of Custody.....	5-9
Internal Chains of Custody.....	10-12
Sample Receipt Forms.....	13-16
Hexavalent Chromium Analytical Data	17-31
Hexavalent Chromium Raw Data.....	32-39

August 23, 2006

David Conner
Battelle
3990 Old Town Ave., Suite C-205
San Diego, CA 92110

RE: JPL Groundwater Monitoring 3Q06/Project #G486090/204142

Dear David:

Enclosed are the results of the samples submitted to our laboratory on August 15-18, 2006. For your reference, these analyses have been assigned our service request number L0601051.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains 39 pages.

Columbia Analytical Services is certified for environmental analyses by the NELAP (certificate number: 02115CA), Los Angeles County Laboratory ID (No. 10151) and Arizona Department of Health Services (AZ0550).

The Canoga Park facility has moved from the 6925 Canoga Ave. address. We are currently receiving samples at 8030 Remmet Ave., Suite 2 Canoga Park, CA 91304 until the new facility at 2655A Park Center Dr. Simi Valley, CA 93065 has been completed.

If you have any questions, please call me at (818) 587-5550.

Respectfully submitted,

Columbia Analytical Services, Inc.



Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl- <i>tert</i> -Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	<i>Standard Methods for the Examination of Water and Wastewater</i> 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	<i>Test Methods for Evaluating Solid Waste, Physical/Chemical Methods</i> SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL (PQL).
J	Estimated concentration. Analyte detected above MDL but below MRL (PQL).
B	Hit above MRL (PQL) also found in Method Blank.
E	Analyte concentration above high point of ICAL.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142
Sample Matrix: Water
Service Request No.: L0601051
Date Received: 8/15-18/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier IV deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

The samples were received for analysis at Columbia Analytical Services on 8/15 – 18/06. No discrepancies were noted upon initial sample inspection. Any exceptions would be noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored at 4°C upon receipt at the laboratory.

Hexavalent Chromium by EPA Method 7196A

The duplicate matrix spike recovery of Hexavalent Chromium for sample MW-21-5 (L0601051-001DMS) analyzed 8/15/06 was outside the acceptance limits. The matrix spike recovery, Laboratory Control Sample and other method controls were acceptable, which indicated the batch was in control. The data has not been significantly affected by the discrepancy but has been flagged accordingly.

Approved by


3

Date

8/23/06

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
L0601051-001	MW-21-5	08/15/06	08:14
L0601051-002	MW-21-4	08/15/06	08:44
L0601051-003	MW-21-3	08/15/06	09:12
L0601051-004	MW-21-2	08/15/06	09:34
L0601051-005	MW-21-1	08/15/06	10:08
L0601051-006	EB-1-8/15/06	08/15/06	09:55
L0601051-007	MW-14-3	08/16/06	09:00
L0601051-008	MW-14-2	08/16/06	09:26
L0601051-009	MW-14-1	08/16/06	10:05
L0601051-010	EB-2-8/16/06	08/16/06	09:49
L0601051-011	MW-17-4	08/17/06	08:05
L0601051-012	MW-17-3	08/17/06	08:37
L0601051-013	MW-17-2	08/17/06	09:26
L0601051-014	EB-3-8/17/06	08/17/06	09:13
L0601051-015	MW-18-4	08/17/06	11:04
L0601051-016	MW-18-3	08/17/06	11:32
L0601051-017	MW-18-2	08/17/06	12:00
L0601051-018	MW-3-4	08/18/06	07:57
L0601051-019	MW-3-3	08/18/06	08:25
L0601051-020	MW-3-2	08/18/06	09:14
L0601051-021	EB-4-8/18/06	08/18/06	09:02



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

PAGE 1 OF 1

CAS Contact

Project Name: JPL GW MW 3006 Project Number: 6486090 / 204142
 Project Manager: DAVID CONNER Report CC:
 Company/Address: BATTELLE
3990 OLD TOWN AVE, STE. C-205
SAN DIEGO, CA 92110
 Phone #: 619-726-7311 FAX#:
 Sampler's Signature: MARCO MENDOZA Sampler's Printed Name: MARCO MENDOZA

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

TPH Gas	TPH Diesel (purgeable)	8015m (extractable)	Fuel Char. <input type="checkbox"/>	BTEX <input type="checkbox"/> MTBE <input type="checkbox"/>	8021 / 602	Halogenated Volatiles	8260	VOA by GCMS <input type="checkbox"/>	SemVOA by GCMS <input type="checkbox"/>	8260 / 624	8270 / 625	Pesticides <input type="checkbox"/>	PCBs <input type="checkbox"/>	8081 / 8082 / 608	CCR Metals (17)	6010 / 6020 / 7000 / 2007 / 2008	0	(7191)
---------	------------------------	---------------------	-------------------------------------	-------------------------------------------------------------	------------	-----------------------	------	--------------------------------------	-----------------------------------------	------------	------------	-------------------------------------	-------------------------------	-------------------	-----------------	----------------------------------	---	--------

Preservative Key:
 0. NONE
 1. HCL
 2. HNO3
 3. H2SO4
 4. NaOH
 5. Zn. Acetate
 6. MeOH
 7. NaHSO4
 8. Other _____

REMARKS/ALTERNATE DESCRIPTION

CLIENT SAMPLE ID	LAB ID	SAMPLING		MATRIX
		DATE	TIME	
MW-21-5	1	8/15/06	814	W
MW-21-4	2		844	
MW-21-3	3		912	
MW-21-2	4		934	
MW-21-1	5		1008	
EB-1-8/15/06	6		955	

SPECIAL INSTRUCTIONS/COMMENTS	TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY)	REPORT REQUIREMENTS	INVOICE INFORMATION

See OAPP

SAMPLE RECEIPT: CONDITION/COOLER TEMP. _____

REINQUISHED BY: _____

REINQUISHED BY: _____

Signature: [Signature] Printed Name: MARCO MENDOZA Firm: CAS Date/Time: 8/15/06 / 1154

Signature: [Signature] Printed Name: LORRIE KUTNER Firm: CAS Date/Time: 8/15/06 1154

Signature: [Signature] Printed Name: LORRIE KUTNER Firm: CAS Date/Time: 8/15/06 1250

Signature: [Signature] Printed Name: Sue Anderson Firm: CAS Date/Time: 8/15/06 1250



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

PAGE 1 OF 1

CAS Contact

Project Name JPL GW MW 3006	Project Number G486090 / 204142	ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Project Manager DAVID CONNER	Report CC	PRESERVATIVE	
Company/Address BATIELLE		TPH Gas 8015m (purgeable)	TPH Gas
3990 OLD TOWN AVE, STE C-205		8015m (extractable)	8015m (extractable)
Phone # SAN DIEGO, CA 92110	FAX #	BTEX <input type="checkbox"/> MTBE <input type="checkbox"/>	8021 / 602
Sampler's Signature MARCO MENDOZA	Sampler's Printed Name MARCO MENDOZA	Halogenated Volatiles	8260
		VOA by GCMS <input type="checkbox"/> Oxygenates <input type="checkbox"/>	8260 / 624
		SemiVOA by GCMS	8270 / 625
		Pesticides <input type="checkbox"/>	8081 / 8082 / 608
		CCR Metals (17)	6010 / 6020 / 7000 / 2007 / 2008
		PCBs <input type="checkbox"/>	(957L) <u>10</u>

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX	NUMBER OF CONTAINERS	REMARKS/ ALTERNATE DESCRIPTION
MW-14-3	7	8/14/06	900	W	1	
MW-14-2	8		926		↓	
MW-14-1	9		1005		2	MS/MSD
EB-2-8/16/06	10		949		1	Equip. Blank

SPECIAL INSTRUCTIONS/COMMENTS	TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY)	REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data	INVOICE INFORMATION PO# <u>204142</u> BILL TO: <u>BATIELLE / GERALD</u> <u>505 KING AVE</u> <u>COLUMBUS, OH 43201</u> Lab No: <u>0601051</u>
	PLEASE CIRCLE WORK DAYS 1 2 3 4 <input checked="" type="checkbox"/> STANDARD	MRL Yes ___ No ___ POL/MDLU Yes ___ No ___ Edata Yes ___ No ___	RELINQUISHED BY Signature Printed Name Firm Date/Time
See QAPP <input type="checkbox"/>	REQUESTED FAX DATE REQUESTED REPORT DATE	CUSTODY SEALS: Y N RELINQUISHED BY Signature: <u>[Signature]</u> Printed Name: <u>TONIE KUKITA</u> Firm: <u>CAS</u> Date/Time: <u>8/16/06 1250</u>	
SAMPLE RECEIPT: CONDITION/COOLER TEMP: RELINQUISHED BY Signature: <u>[Signature]</u> Printed Name: <u>TONIE KUKITA</u> Firm: <u>CAS</u> Date/Time: <u>8/16/06 1152</u>		RECEIVED BY Signature: <u>[Signature]</u> Printed Name: <u>TONIE KUKITA</u> Firm: <u>CAS</u> Date/Time: <u>8/16/06 1250</u>	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

PAGE 1 OF 2

CAS Contact

Project Name JPL GW Mon. 3006	Project Number 6486090 / 204142	ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Project Manager DAVID COWELL	Report CC	PRESERVATIVE	
Company/Address BATTELLE		<input type="checkbox"/> TPH Gas <input type="checkbox"/> 8015m (purgeable) <input type="checkbox"/> 8015m (extractable) <input type="checkbox"/> Fuel Char. <input type="checkbox"/> BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> 8021 / 602 <input type="checkbox"/> Halogenated Volatiles <input type="checkbox"/> 8260 <input type="checkbox"/> VOA by GCMS <input type="checkbox"/> 8260 / 624 <input type="checkbox"/> SemiVOA by GCMS <input type="checkbox"/> 8270 / 625 <input type="checkbox"/> Pesticides <input type="checkbox"/> 8081 / 8082 / 608 <input type="checkbox"/> PCBs <input type="checkbox"/> 8081 / 8082 / 7000 / 2007 / 2008 <input type="checkbox"/> CCR Metals (17) <input type="checkbox"/> 6010 / 6020 / 7000 / 2007 / 2008 <input type="checkbox"/> (7196)	Preservative Key 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other
Phone # 619-726-7311	FAX# 92113	NUMBER OF CONTAINERS	REMARKS/ ALTERNATE DESCRIPTION
Sampler's Signature MARCO MENDOZA	Sampler's Printed Name MARCO MENDOZA		

CLIENT SAMPLE ID	LAB ID	DATE	SAMPLING TIME	MATRIX
MW-17-4	11	8/17/06	805	W
MW-17-3	12		837	
MW-17-2	13		926	
EB-3-81766	14		913	

SPECIAL INSTRUCTIONS/COMMENTS	TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY)	REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data	INVOICE INFORMATION PO# 204142 BILL TO: BATTELLE / GERALD 505 KING AVE COLUMBUS, OH 43261 Lab No: 20601051
	PLEASE CIRCLE WORK DAYS 1 2 3 4 <input checked="" type="checkbox"/> STANDARD	MRL Yes ___ No ___ POL/MDL/J Yes ___ No ___ Edata Yes ___ No ___	RELINQUISHED BY Signature Printed Name Firm Date/Time
See QAPP <input type="checkbox"/>	REQUESTED FAX DATE REQUESTED REPORT DATE	CUSTODY SEALS: Y N	
SAMPLE RECEIPT: CONDITION/COOLER TEMP.	RECEIVED BY Tommy Kerkira Signature Printed Name Firm Date/Time	RECEIVED BY Tommy Kerkira Signature Printed Name Firm Date/Time	
RELINQUISHED BY MARCO MENDOZA Signature Printed Name Firm Date/Time	RELINQUISHED BY Tommy Kerkira Signature Printed Name Firm Date/Time		



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

CAS Contact

PAGE 2 OF 2

Project Name IRL GW MON. 3006		Project Number 6486090 / 204142	
Project Manager DAVID WANNER		Report CC	
Company/Address BATTELLE			
3990 OLD TOWN AVE., STE. C-205			
SAN DIEGO, CA 92110			
Phone #		FAX #	
619-726-7311			
Sampler's Signature MARIO MUENDOZA		Sampler's Printed Name MARIO MUENDOZA	

CLIENT SAMPLE ID	LAB ID	SAMPLING		MATRIX	NUMBER OF CONTAINERS	PRESERVATIVE	ANALYSIS REQUESTED (Include Method Number and Container Preservative)	REMARKS/ ALTERNATE DESCRIPTION
		DATE	TIME					
MW-18-4	15	8/17/06	1104	W	1		TPH Gas 8015m (purgeable) TPH Diesel 8015m (extractable) BTEX 8021 / 602 Halogenated Volatiles 8260 / 624 VOA by GCMS 8260 / 624 Semivolatile 8270 / 625 Pesticides 8081 / 8082 / 608 PCBs 8081 / 8082 / 608 CCR Metals (17) 6010 / 6020 / 7000 / 200.7 / 200.8	Preservative Key 0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other
MW-18-3	16		1132		1			
MW-18-2	17		1200		1			
∞								

SPECIAL INSTRUCTIONS/COMMENTS		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY)		REPORT REQUIREMENTS		INVOICE INFORMATION	
See QAPP <input type="checkbox"/>		PLEASE CIRCLE WORK DAYS 1 2 3 4 <input checked="" type="checkbox"/> STANDARD		I. Results Only II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data		PO# 204142 BILL TO: BATTELLE / GERALD 505 KING AVE COLUMBUS, OH 43201 Lab No: 40601051	
SAMPLE RECEIPT: CONDITION/COOLER TEMP:		CUSTODY SEALS: Y N		RELINQUISHED BY		RECEIVED BY	
RELINQUISHED BY Signature: [Signature] Printed Name: MARIO MUENDOZA Firm: CAS Date/Time: 8/17/06 1300		RELINQUISHED BY Signature: [Signature] Printed Name: LORIE KUBITA Firm: CAS Date/Time: 8/17/06 1340		RELINQUISHED BY Signature: [Signature] Printed Name: SIGNE ANDERSON Firm: CAS Date/Time: 8/17/06 1340		RECEIVED BY Signature: [Signature] Printed Name: [Signature] Firm: [Signature] Date/Time: [Signature]	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

CAS Contact

PAGE 1 OF 1

Project Name JPL GW Mon 3006	Project Number 5486090 / 204142	ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Project Manager DAVID CONNER	Report CC	PRESERVATIVE	
Company/Address BATIELLE		TPB Gas (purgeable) <input type="checkbox"/> 8015m TPB Diesel Fuel Char. <input type="checkbox"/> 8021 / 602 BTX <input type="checkbox"/> MTBE <input type="checkbox"/> Halogenated Volatiles <input type="checkbox"/> 8260 / 624 VOA by GMS <input type="checkbox"/> 8270 / 625 SemiVOA by GMS <input type="checkbox"/> 8081 / 8082 / 608 Pesticides <input type="checkbox"/> 8081 / 8082 / 608 CCR Metals (17) <input type="checkbox"/> 6010 / 6020 / 7000 / 200.7 / 200.8 (CIV) (7196)	
3990 OLD TOWN AVE., STE C-205		NUMBER OF CONTAINERS	
SAN DIEGO, CA 92110			
Phone #	FAX#		
619-726-7311			
Sampler's Signature	Sampler's Printed Name		
	MARCO MENDOZA		

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX	REMARKS/ ALTERNATE DESCRIPTION
MW-3-4	18	8/18/06	757	W	LEVEL IV WC
MW-3-3	19	825			MS/MSD
MW-3-2	20	914			
EB-4-8/18/06	21	902			Equip. Blank

SPECIAL INSTRUCTIONS/COMMENTS	TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY)	REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LGS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data	INVOICE INFORMATION
	PLEASE CIRCLE WORK DAYS 1 2 3 4 <input checked="" type="checkbox"/> STANDARD	MRL Yes ___ No ___ POL/MDL/J Yes ___ No ___ Edata Yes ___ No ___	PO# 204142 BILL TO: BATIELLE GENERAL 505 KING AVE COLUMBUS, OH 43201 Lab No: 6001051
SAMPLE RECEIPT: CONDITION/COOLER TEMP: RELINQUISHED BY Signature Printed Name Firm Date/Time		RELINQUISHED BY Signature Printed Name Firm Date/Time	
RECEIVED BY Signature Printed Name Firm Date/Time		RECEIVED BY Signature Printed Name Firm Date/Time	

Columbia Analytical Services, Inc.

Chain of Custody Report

Client: Battelle
 Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601051-001.01	08/15/2006	1306	SMO / LKUKITA	
	08/15/2006	1324	L-020 / SANDERSON	
	08/15/2006	1330	In Lab / RWONG	
	08/15/2006	1448	L-020 / SANDERSON	
L0601051-002.01	08/15/2006	1306	SMO / LKUKITA	
	08/15/2006	1324	L-020 / SANDERSON	
	08/15/2006	1330	In Lab / RWONG	
	08/15/2006	1448	L-020 / SANDERSON	
L0601051-003.01	08/15/2006	1306	SMO / LKUKITA	
	08/15/2006	1324	L-020 / SANDERSON	
	08/15/2006	1330	In Lab / RWONG	
	08/15/2006	1448	L-020 / SANDERSON	
L0601051-004.01	08/15/2006	1306	SMO / LKUKITA	
	08/15/2006	1324	L-020 / SANDERSON	
	08/15/2006	1330	In Lab / RWONG	
	08/15/2006	1448	L-020 / SANDERSON	
L0601051-005.01	08/15/2006	1306	SMO / LKUKITA	
	08/15/2006	1324	L-020 / SANDERSON	
	08/15/2006	1330	In Lab / RWONG	
	08/15/2006	1447	L-020 / RWONG	
L0601051-006.01	08/15/2006	1306	SMO / LKUKITA	
	08/15/2006	1324	L-020 / SANDERSON	
	08/15/2006	1330	In Lab / RWONG	
	08/15/2006	1448	L-020 / SANDERSON	
L0601051-007.01	08/16/2006	1258	SMO / LKUKITA	
	08/16/2006	1334	L-020 / SANDERSON	
	08/16/2006	1421	In Lab / RWONG	
	08/16/2006	1609	L-020 / RWONG	
L0601051-008.01	08/16/2006	1258	SMO / LKUKITA	
	08/16/2006	1334	L-020 / SANDERSON	
	08/16/2006	1421	In Lab / RWONG	
	08/16/2006	1610	L-020 / RWONG	
L0601051-009.01	08/16/2006	1258	SMO / LKUKITA	
	08/16/2006	1334	L-020 / SANDERSON	
	08/16/2006	1421	In Lab / RWONG	
	08/16/2006	1609	10-020 / RWONG	

Columbia Analytical Services, Inc.

Chain of Custody Report

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601051-009.02	08/16/2006	1300	SMO / LKUKITA	
	08/16/2006	1334	L-020 / SANDERSON	
	08/16/2006	1421	In Lab / RWONG	
	08/16/2006	1423	L-020 / RWONG	
L0601051-010.01	08/16/2006	1258	SMO / LKUKITA	
	08/16/2006	1334	L-020 / SANDERSON	
	08/16/2006	1421	In Lab / RWONG	
	08/16/2006	1609	L-020 / RWONG	
L0601051-011.01	08/17/2006	1405	SMO / SANDERSON	
	08/17/2006	1715	L-020 / RWONG	
L0601051-012.01	08/17/2006	1405	SMO / SANDERSON	
	08/17/2006	1716	L-020 / RWONG	
L0601051-012.02	08/17/2006	1406	SMO / SANDERSON	
	08/17/2006	1657	L-020 / SANDERSON	
L0601051-013.01	08/17/2006	1406	SMO / SANDERSON	
	08/17/2006	1715	L-020 / RWONG	
L0601051-014.01	08/17/2006	1406	SMO / SANDERSON	
	08/17/2006	1715	L-020 / RWONG	
L0601051-015.01	08/17/2006	1406	SMO / SANDERSON	
	08/17/2006	1716	L-020 / RWONG	
L0601051-016.01	08/17/2006	1406	SMO / SANDERSON	
	08/17/2006	1716	L-020 / RWONG	
L0601051-017.01	08/17/2006	1406	SMO / SANDERSON	
	08/17/2006	1715	L-020 / RWONG	
L0601051-018.01	08/18/2006	1420	SMO / SANDERSON	
	08/18/2006	1452	In Lab / RWONG	
	08/18/2006	1716	L-020 / RWONG	
L0601051-019.01	08/18/2006	1420	SMO / SANDERSON	
	08/18/2006	1452	In Lab / RWONG	
	08/18/2006	1716	L-020 / RWONG	
L0601051-019.02	08/18/2006	1423	1 SMO / SANDERSON	

Columbia Analytical Services, Inc.

Chain of Custody Report

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601051-019.02	08/18/2006	1451	In Lab / RWONG	
	08/18/2006	1716	L-020 / RWONG	
L0601051-020.01	08/18/2006	1420	SMO / SANDERSON	
	08/18/2006	1451	In Lab / RWONG	
	08/18/2006	1716	L-020 / RWONG	
L0601051-021.01	08/18/2006	1420	SMO / SANDERSON	
	08/18/2006	1451	In Lab / RWONG	
	08/18/2006	1716	L-020 / RWONG	

SAMPLE RECEIPT FORM

1-76

Service Request No: L060 1051 Client: BATTELLE

Sample(s) delivered by: Client ___ CAS Emp After Hours ___ DHL ___

Golden State Overnight ___ Fed X ___ UPS ___ Other Courier ___

Chain of Custody filled out accurately? Yes No ___ (See Comments)

Appropriate sample volume and containers? Yes No ___ (See Comments)

Sufficient labeling on container(s) ? Yes No ___ (See Comments)

Container(s) supplied by CAS? Yes No ___ (See Comments)

Custody seal(s) intact? N/A Yes ___ No ___ (See Comments)

Trip Blank(s) received Yes ___ No

If Trip Blank was supplied by CAS, record serial # ___ -TB- ___

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes ___ No ___ Filled Properly? Yes ___ No ___ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ___ Appropriate Preservation? Yes ___ No ___

RUSH Turn around time? Yes ___ Notified ___ Date & Time ___

Short Hold-Time Analysis (check all that apply)

- ASAP Res Cl ___ D.O. ___ Flash ___ Diss S2- ___ Ferrous Fe ___
24HR pH ___ Odor ___ Cr+6
48HR BOD ___ Color ___ MBAS ___ Nitrate ___
72HR Nitrite ___ O-PO4 ___ Sett Sol ___ Turbidity ___
Vapors ___

Notified SUE Date & Time 8/15/06 1250

Container(s) received and their preservative(s):

-1 -> -6 = 1-125ml PI (NP)

Comments

[Handwritten signature and date 8/15/06]

Initials, Date, Time LK 8/15/06 1309 r:\sr_forms\cooler.doc Rev. 2/25/02

SAMPLE RECEIPT FORM

7-10

Service Request No: L060 1051 Client: BATTELLE

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

- ASAP** Res Cl D.O Flash Diss S2- Ferrous Fe
- 24HR** pH Odor Cr+6
- 48HR** BOD Color MBAS Nitrate
- 72HR** Nitrite O-PO4 Sett Sol Turbidity
- Vapors

Notified SUE Date & Time 8/16/06 1250

Container(s) received and their preservative(s):

-7, -8, -10 = 1-125ml PL(NP)

-9 = 2-125ml PL(NP)

Comments _____

[Signature]
8/16/06

Initials, Date, Time LK 8/16/06 1302 ¹⁴ r:\sr_forms\cooler.doc Rev. 2/25/02

SAMPLE RECEIPT FORM

11-17

Service Request No: L0601051 Client: BATTELLE

Sample(s) delivered by: Client ___ CAS Emp [checked] After Hours ___ DHL ___

Golden State Overnight ___ Fed X ___ UPS ___ Other Courier ___

Chain of Custody filled out accurately? Yes [checked] No ___ (See Comments)

Appropriate sample volume and containers? Yes [checked] No ___ (See Comments)

Sufficient labeling on container(s)? Yes [checked] No ___ (See Comments)

Container(s) supplied by CAS? Yes [checked] No ___ (See Comments)

Custody seal(s) intact? N/A [checked] Yes ___ No ___ (See Comments)

Trip Blank(s) received Yes ___ No [checked]

If Trip Blank was supplied by CAS, record serial # ___ -TB- ___

Temperature of sample(s)/cooler 4 °C Temp Blank? [Y] or N (Circle One)

Voa's Marked Preserved? Yes ___ No ___ Filled Properly? Yes ___ No ___ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ___ Appropriate Preservation? Yes ___ No ___

RUSH Turn around time? Yes ___ Notified ___ Date & Time ___

Short Hold-Time Analysis (check all that apply)

- ASAP Res Cl ___ D.O ___ Flash [checked] Diss S2- ___ Ferrous Fe ___
24HR pH ___ Odor ___ Cr+6 [checked]
48HR BOD ___ Color ___ MBAS ___ Nitrate ___
Nitrite ___ O-PO4 ___ Sett Sol ___ Turbidity ___
72HR Vapors ___

Notified [Signature: ROGER] Date & Time 8/17/06 1410

Container(s) received and their preservative(s):

11, 13 -> 17 = 1-125ml pl (NP)
12 = 2-125ml pl (NP)

Comments

Initials, Date, Time [Signature] 15 8/17/06 1410 r:\sr_forms\cooler.doc Rev. 2/25/02

SAMPLE RECEIPT FORM

18 → 21

Service Request No: L0601051 Client: Battelle

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler 5 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

- ASAP Res Cl D.O Flash Diss S2- Ferrous Fe
- 24HR pH Odor Cr+6
- 48HR BOD Color MBAS Nitrate
- Nitrite O-PO4 Sett Sol Turbidity
- 72HR Vapors

Notified ROGER Date & Time 8/18/06 1410

Container(s) received and their preservative(s):

18, 19, 20
13, 4 = 1-125ml/pl (NP)
21 = 2-125ml/pl (NP)

Comments _____

Initials, Date, Time Sm 8/18/06 1400 r:\sr_forms\cooler.doc Rev. 2/25/02

DIVIDER SHEET

ANALYTICAL DATA
FOR

Hexavalent Chromium

ANALYSIS

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Battelle
Project Name : JPL GW Mon. 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601051
Date Collected : 08/15-18/06
Date Received : 08/15-18/06

Chromium, Hexavalent

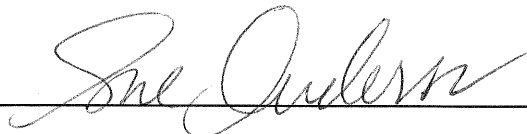
Prep Method : None
 Analysis Method : 7196A
 Test Notes :

Units : mg/L (ppm)
 Basis : NA

Sample Name	Lab Code	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
MW-21-5	L0601051-001	0.01	0.003	1	NA	08/15/06	ND	
MW-21-4	L0601051-002	0.01	0.003	1	NA	08/15/06	ND	
MW-21-3	L0601051-003	0.01	0.003	1	NA	08/15/06	ND	
MW-21-2	L0601051-004	0.01	0.003	1	NA	08/15/06	ND	
MW-21-1	L0601051-005	0.01	0.003	1	NA	08/15/06	ND	
EB-1-8/15/06	L0601051-006	0.01	0.003	1	NA	08/15/06	ND	
MW-14-3	L0601051-007	0.01	0.003	1	NA	08/16/06	0.006	J
MW-14-2	L0601051-008	0.01	0.003	1	NA	08/16/06	ND	
MW-14-1	L0601051-009	0.01	0.003	1	NA	08/16/06	ND	
EB-2-8/16/06	L0601051-010	0.01	0.003	1	NA	08/16/06	ND	
MW-17-4	L0601051-011	0.01	0.003	1	NA	08/17/06	ND	
MW-17-3	L0601051-012	0.01	0.003	1	NA	08/17/06	ND	
MW-17-2	L0601051-013	0.01	0.003	1	NA	08/17/06	ND	
EB-3-8/17/06	L0601051-014	0.01	0.003	1	NA	08/17/06	ND	
MW-18-4	L0601051-015	0.01	0.003	1	NA	08/17/06	ND	
MW-18-3	L0601051-016	0.01	0.003	1	NA	08/17/06	ND	
MW-18-2	L0601051-017	0.01	0.003	1	NA	08/17/06	ND	
MW-3-4	L0601051-018	0.01	0.003	1	NA	08/18/06	ND	
MW-3-3	L0601051-019	0.01	0.003	1	NA	08/18/06	ND	
MW-3-2	L0601051-020	0.01	0.003	1	NA	08/18/06	ND	
EB-4-8/18/06	L0601051-021	0.01	0.003	1	NA	08/18/06	ND	
Method Blank	L0601051-MB	0.01	0.003	1	NA	08/15/06	ND	
Method Blank	L0601051-MB	0.01	0.003	1	NA	08/16/06	ND	
Method Blank	L0601051-MB	0.01	0.003	1	NA	08/17/06	ND	
Method Blank	L0601051-MB	0.01	0.003	1	NA	08/18/06	ND	

J Estimated concentration. The result is less than the PQL but greater than the MDL.

Approved By



Date :

8/23/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051
Date Collected: NA
Date Received: NA
Date Analyzed: 8/15/06

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND

Approved By: _____
ICCBMDL/120594



Date: _____

8/23/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051
Date Analyzed: 8/15/06

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0404	104
CCV1	0.0387	0.0362	94

Approved By: _____
CCV1A/120594



Date: _____

8/23/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL GW Mon. 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601051
Date Collected : NA
Date Received : NA
Date Extracted : NA
Date Analyzed : 08/15-18/06

Laboratory Control Sample Summary
 Inorganic Parameters

Sample Name : Laboratory Control Sample
Lab Code : L0601051-LCS
Test Notes :

Basis : NA

Analyte	Units	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Chromium, Hexavalent	mg/L (ppm)	7196A	0.0400	0.0413	103	90-110	
Chromium, Hexavalent	mg/L (ppm)	7196A	0.0400	0.0421	105	90-110	
Chromium, Hexavalent	mg/L (ppm)	7196A	0.0400	0.0427	107	90-110	
Chromium, Hexavalent	mg/L (ppm)	7196A	0.0400	0.0432	108	90-110	

Approved By :

Jane Anderson

 21

Date :

8/23/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
 Project Name : JPL GW Mon. 3Q06
 Project Number : G486090/204142
 Sample Matrix : WATER


Service Request : L0601051
 Date Collected : 08/15/06
 Date Received : 08/15/06
 Date Extracted : NA
 Date Analyzed : 08/15/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-21-5 Units : mg/L (ppm)
 Lab Code : L0601051-001MS L0601051-001DMS Basis : NA
 Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0447	0.0413	89	83	85-115	8	M1A

M1A DMS outside of acceptance limits. The LCS was acceptable; therefore, data was approved.

Approved By  Date : 8/23/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051
Date Collected: NA
Date Received: NA
Date Analyzed: 8/16/06

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND

Approved By: _____
ICCBMDL/120594



Date: _____

8/23/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051
Date Analyzed: 8/16/06

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0413	107
CCV1	0.0387	0.0396	102

Approved By: _____



Date: _____



CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL GW Mon. 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601051
Date Collected : 08/16/06
Date Received : 08/16/06
Date Extracted : NA
Date Analyzed : 08/16/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-14-1
Lab Code : L0601051-009MS
Test Notes :

L0601051-009DMS

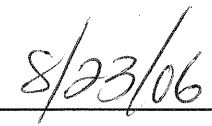
Units : mg/L (ppm)
Basis : NA

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0490	0.0507	98	101	85-115	3	

Approved By



Date :



COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

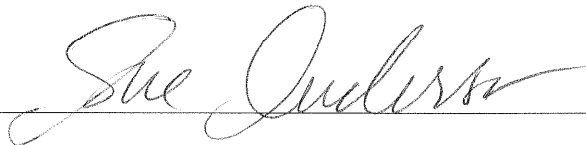
Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051
Date Collected: NA
Date Received: NA
Date Analyzed: 8/17/06

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND
CCB2	0.01	0.003	ND

Approved By:



Date:

8/23/06

ICCBMDL120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051
Date Analyzed: 8/17/06

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0382	99
CCV1	0.0387	0.0382	99
CCV2	0.0387	0.0382	99

Approved By: _____



Date: _____

8/23/06

CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL GW Mon. 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601051
Date Collected : 08/17/06
Date Received : 08/17/06
Date Extracted : NA
Date Analyzed : 08/17/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-17-3 Units : mg/L (ppm)
Lab Code : L0601051-012MS L0601051-012DMS Basis : NA
Test Notes :

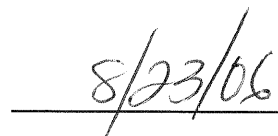
Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0518	0.0527	104	105	85-115	2	

Approved By



28

Date :



COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051
Date Collected: NA
Date Received: NA
Date Analyzed: 8/18/06

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCBI	0.01	0.003	ND

Approved By: _____
ICCBMDL/120594



Date: _____

8/23/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL GW Mon. 3Q06/G486090/204142

Service Request: L0601051
Date Analyzed: 8/18/06

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0395	102
CCV1	0.0387	0.0395	102

Approved By: _____



Date: _____

8/23/06

CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL GW Mon. 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601051
Date Collected : 08/18/06
Date Received : 08/18/06
Date Extracted : NA
Date Analyzed : 08/18/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-3-3
Lab Code : L0601051-019MS
Test Notes :

L0601051-019DMS

Units : mg/L (ppm)
Basis : NA

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0477	0.0459	95	92	85-115	4	

Approved By



31

Date :

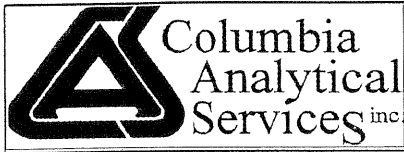
8/23/06

DIVIDER SHEET

RAW DATA FOR

Hexavalent Chromium

ANALYSIS



Hexavalent Chromium

Methods SM 3500-Cr-D

EPA3060A/EPA7196A

Service Request #: 1051

Run #: 62230

Prep Run #

10ppm STOCK # 3397 @ 1/10 exp 2/1/07 Conc. H2SO4 Lot#: EMD 44257E exp 1/31/08

387ppb ICV/CCV # 3434 @ 1/10 exp 8/24/06 Coloring Reagent Ref# 3439 exp 8/24/06

Digestion solution(for solids) NA

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results mg/L mg/Kg	QA/QC %R %RPD
1	0	9/10	NA	0.000	0.000		
2	0.01	0.1/10		0.013	0.998809		
3	0.05	0.5/10		0.064			
4	0.1	1/10		0.117			
5	ICB	10		0.001		0.001	-0.00051
6	ICV TV=0.0537ppm			0.049	0.049	0.0404	104%
7	MB			0.000	0.000	-0.00136	
8	LCS TV=0.04ppm			0.050	0.050	0.0413	103%
9	1051 -1.1		0.001	0.003	0.002	0.00034	
10	-2.1		0.003	0.005	0.002	0.00034	
11	-3.1		0.001	0.005	0.004	0.00205	
12	-4.1		0.004	0.004	0.000	-0.00136	
13	-5.1		0.006	0.006	0.000		
14	-6.1		0.000	0.000	0.000		
15	-1.1MS		0.001	0.055	0.054	0.0447	89% 2
16	√ -1.1MSD		0.001	0.051	0.050	0.0413	83% 5
17	CCV1 0.0357ppm		0.000	0.044	0.044	0.0362	93%
18	CCB1			0.000	0.000	-0.00034	
19							
20							

Comments: LCS 0.4 ml #3397 @ 1/10 ↑ 10ml DI
MS/MSD 0.5 ml #3397 @ 1/10 ↑ 10ml sample

Digested: NA

Prepared by: RW Date/Time: 8/15/06 @ 13:58 23

Analyzed by: RW Date/Time: 8/15/06 @ 14:00 43

Reviewed by: [Signature] Date: 8/15/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1051

Run #: 62386

Prep Run # -

STOCK # 3397 @ 1/10 exp 2/1/07

Conc. H2SO4 Lot#: E170 44257E exp 1/31/08

ICV/CCV # 3434 @ 1/10 exp 8/24/06

Coloring Reagent Ref# 3435 exp 8/24/06

Digestion solution(for solids) NA

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC				
						mg/L	mg/Kg	%R	%RPD			
1	0	-	0.000	0.000	0.000							
2	0.01	}	}	0.011	0.011	0.999980						
3	0.05			0.058	0.058							
4	0.1			0.117	0.117							
5	ICB			10	0.000					0.000	0.000344	8/16/06
6	ICV TV=0.0587ppm				0.048					0.048	0.0413	107%
7	MB		0.000	0.000	0.00034							
8	LCS TV=0.04ppm		0.049	0.049	0.0421	105%						
9	1051-10-1		0.000	0.001	0.001	0.00120						
10	-9.1		0.000	0.002	0.002	0.00205						
11	-9.1 MS 0.0500ppm		0.000	0.057	0.057	0.0490	98%					
12	-9.1 MSD ↓		0.000	0.059	0.059	0.0507	101%					
13	-8.1		0.000	0.002	0.002	0.00205						
14	↓ -7.1		0.000	0.006	0.006	0.0055						
15	CCV TV=0.0587ppm		0.046	0.046	0.0396	102%						
16	CCBI		0.000	0.000	0.00034							
17	/	}	}									
18				Space not used								
19												
20												

Comments: LCS 0.4 ml #3397 @ 1/10 ↑ 10 ml DI
MS/MSD 0.9 ml #3397 @ 1/10 ↑ 10 ml sample

Digested: NA

Prepared by: RW Date/Time: 8/16/06 @ 15:50

Analyzed by: RW Date/Time: 8/16/06 @ 16:00

Reviewed by: [Signature] Date: 8/16/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1051

Run #: 62572

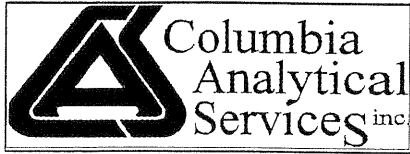
Prep Run # —

10ppm STOCK # 3397 @ Y10 exp 2/1/07 Conc. H2SO4 Lot#: EMD 44257E exp 1/31/08
 307ppb ICV/CCV # 3434 @ Y10 exp 8/24/06 Coloring Reagent Ref# 3435 exp 8/24/06
 Digestion solution(for solids) N/A

	Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC		
							mg/L	mg/Kg	%R	%RPD	
	1	0	NA	0.000	0.000	} r=1.000					
	2	0.01			0.011						
	3	0.05			0.055						
	4	0.1			0.110						
	5	ICB	10		0.001	0.001	0.000	91			
	6	ICV TV=0.0387			0.042	0.042	0.0382		99%		
*	7	MB			0.000	0.000	0.000				
	8	LCS TV=0.04		↓	0.047	0.047	0.0427		107%		
	9	1051-11.1		0.000	0.002	0.002	0.0018				
*	10	-12.1		0.000	0.000	0.000	0.000				
+	11	-12.1 MS 0.0500ppm		0.000	0.057	0.057	0.0518		104	RPD	
+	12	-12.1 MS ↓		0.000	0.058	0.058	0.0527		105	N%	
	13	-13.1		0.000	0.002	0.002	0.0018				
	14	-14.1		0.000	0.000	0.000	0.000				
	15	-15.1		0.000	0.000	0.000	↓				
	16	√ -16.1		0.000	0.002	0.002	0.0018				
	17	CCV TV=0.0387ppm		↓	0.042	0.042	0.0382		99%		
	18	CCBI		↓	0.000	0.000	0.000				
	19	1051-7.1		0.000	0.003	0.003	0.00273				
	20	CCV TV=0.0387ppm CCB		↓ 0.000	0.042 0.000	0.042 0.000	0.0382 0.000		99%		

Comments: LCS 0.4 ml # 3397 @ Y10 ↑ 10 ml DI
MS/MSD 0.5 ml # 3397 @ Y10 ↑ 10 ml sample

Digested: N/A
 Prepared by: RW Date/Time: 8/17/06 @ 16:50
 Analyzed by: RW Date/Time: 8/17/06 @ 17:00:15
 Reviewed by: Sp Date: 8/17/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1051

Run #: 62697

Prep Run #

10ppm STOCK # 3397 @ 1/10 exp 2/1/07

Conc. H2SO4 Lot#: EMD 44237E exp 1/31/08

387ppb ICV/CCV # 3434 @ 1/10 exp 8/24/06

Coloring Reagent Ref# 3435 exp 8/24/06

Digestion solution(for solids) N/A

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC	
						mg/L	mg/Kg	%R	%RPD
1	0	NA	0.000	0.000	} 0.999938				
2	0.01	0.1/10		0.010					
3	0.05	0.5/10		0.054					
4	0.1	1/10		0.110					
5	ICB	10		0.000	0.000570				
6	ICV TV=0.0387ppm			0.043	0.043	0.0395	102%		
7	MB			0.000	0.000	0.00057			
8	LCS TV=0.04ppm			0.047	0.047	0.0432	108%		
9	1051-18.		0.004	0.003	0.000	0.00057			
10	-19.1		0.003	0.002	0.000				
11	-19.1 MS 0.05ppm		0.003	0.055	0.052	0.0477	95%	RPD	
12	-19.1 MSD		0.003	0.053	0.050	0.0459	92%	4%	
13	-20.1		0.001	0.001	0.000	0.00057			
14	-21.1		0.002	0.002	0.000	0.00057			
15	CCV1 TV=0.0387ppm		0.000	0.043	0.043	0.0395	102%		
16	CCB1			0.000	0.000	0.00057			
17									
18									
19									
20									

Comments: LCS 0.4 ml # 3397 @ 1/10 ↑ 10 ml DT
MS / MSD 0.5 ml # 3397 @ 1/10 ↑ 10 ml SAMPLE

Digested: NA
 Prepared by: RW Date/Time: 8/18/06 @ 15:40 36
 Analyzed by: RW Date/Time: 8/18/06 @ 15:46 46
 Reviewed by: GW Date: 8/18/06

Miscellaneous Reagents and Standards Log

Std # 3396	Date: 3/2/06	Initial: RW
Source: See Below	Lot#: See Below	
Reagent: Digestion Soln	Test: Cr ⁶⁺ IC	
Method: 7199	Expiration Date: 4/2/06	

Preparation:

20g NaOH (45043)
+
30g Na₂CO₃ (43353404) ↑ 1L DI H₂O

Std # 3397	Date: 3/2/06	Initial: RW
Source: IV Ref # 3346	Lot#: 3346	
Reagent: 10ppm Cr ⁶⁺ Std	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 2/1/07	

Preparation:

1ml # 3346 ↑ 100 ml DI H₂O

Std # 3398	Date: 3/2/06	Initial: RW
Source: AP6	Lot#: Ref # 3132	
Reagent: ICV/CCV (UV)	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 4/2/06	

Preparation:

0.5 ml #3132 ↑ 100 ml DI

37 TV = 485 ppb

Miscellaneous Reagents and Standards Log

Std # 3432	Date: 6/1/06	Initial: RW
Source: APG	Lot#: 42496	
Reagent: ICV/CCV (UV)	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 7/1/06	

Preparation:

1.0 ml # 3426 ↑ 100 ml

TV = 387 ppb

Reviewed by: 6/5/06
(514-6/1/06)

Std # 3433	Date: 6/12/06	Initial: RW
Source: See Below	Lot#: See Below	
Reagent: Coloring Reagent	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 7/12/06	

Preparation:

0.25g 1,5-diphenylcarbohydrazide (34234521EM)
dissolved in 50 ml Acetone (44231 EM10)

Std # 3434	Date: 7/24/06	Initial: RW
Source: See Below	Lot#: See Below	
Reagent: ICV/CCV (UV)	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 8/24/06	

Preparation:

1.0 ml # 3426 (APG Lot 42496)


↑ 100 ml

TV = 387 ppb

Miscellaneous Reagents and Standards Log

Std # 3435	Date: 7/24/06	Initial: PW
Source: See Below	Lot#: See Below	
Reagent: Coloring Reagent	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 8/24/06	

Preparation: 0.25g 1,5-diphenyl carbohydrazide (34234521EM)
dissolved in 50ml Acetone EM 42328

Std # 3436	Date: 7/24/06	Initial: 
Source: EMD	Lot#: 45251C	
Reagent: 6N HCl	Test: preservative	
Method: NA	Expiration Date: 7/24/07	

Preparation:

26.0 ml conc HCl ↑ 50ml W/DI

Std # 3437	Date: 8/4/06	Initial: RW
Source: EMD	Lot#: 07941329	
Reagent: ICV/CCV Std	Test: Conductivity	
Method: 120.1	Expiration Date: 8/4/07	

Preparation:

0.7456g KCL ↑ 1L DI H₂O

CAS CSR #L0601071

Table of Contents

Cover Letter..... 1

Acronym List..... 2

Case Narrative..... 3

Sample Cross-Reference..... 4

Chains of Custody..... 5-11

Internal Chains of Custody..... 12-15

Sample Receipt Forms..... 16-20

Hexavalent Chromium Analytical Data 21-39

Hexavalent Chromium Raw Data..... 40-51

August 31, 2006

David Conner
Battelle
3990 Old Town Ave., Suite C-205
San Diego, CA 92110

RE: JPL Groundwater Monitoring 3Q06/Project #G486090/204142

Dear David:

Enclosed are the results of the samples submitted to our laboratory on August 21-25, 2006. For your reference, these analyses have been assigned our service request number L0601071.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains _____ pages.

Columbia Analytical Services is certified for environmental analyses by the NELAP (certificate number: 02115CA), Los Angeles County Laboratory ID (No. 10151) and Arizona Department of Health Services (AZ0550).

The Canoga Park facility has moved from the 6925 Canoga Ave. address. We are currently receiving samples at 8030 Remmet Ave., Suite 2 Canoga Park, CA 91304 until the new facility at 2655A Park Center Dr. Simi Valley, CA 93065 has been completed.

If you have any questions, please call me at (818) 587-5550.

Respectfully submitted,

Columbia Analytical Services, Inc.



Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl- <i>tert</i> -Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	<i>Standard Methods for the Examination of Water and Wastewater</i> 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	<i>Test Methods for Evaluating Solid Waste, Physical/Chemical Methods</i> SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL (PQL).
J	Estimated concentration. Analyte detected above MDL but below MRL (PQL).
B	Hit above MRL (PQL) also found in Method Blank.
E	Analyte concentration above high point of ICAL.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Battelle Service Request No.: L0601071
Project: JPL Groundwater Monitoring 3Q06/G486090/204142 Date Received: 8/21-25/06
Sample Matrix: Water

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier IV deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

The samples were received for analysis at Columbia Analytical Services on 8/21–25/06. No discrepancies were noted upon initial sample inspection. Any exceptions would be noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored at 4°C upon receipt at the laboratory.

Hexavalent Chromium by EPA Method 7196A

Sample MW-23-1 (L0601071-031) required dilution due to high background levels. The reporting limit has been adjusted based on the dilution.

The matrix spike recoveries of Hexavalent Chromium for sample MW-24-4 (L0601071-015MS/DMS) were outside the CAS control criteria because of matrix interference. The sample was analyzed at a dilution to confirm that no suppression of the target analyte was occurring to affect the result. The dilution yielded acceptable recoveries and the sample was still not detected. The straight run results have been reported and flagged accordingly.

Approved by


3

Date

8/31/06

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
L0601071-001	MW-20-5	08/21/06	08:17
L0601071-002	MW-20-4	08/21/06	08:52
L0601071-003	MW-20-3	08/21/06	09:26
L0601071-004	MW-20-2	08/21/06	10:00
L0601071-005	MW-20-1	08/21/06	10:50
L0601071-006	EB-5-8/21/06	08/21/06	10:38
L0601071-007	MW-4-3	08/22/06	07:57
L0601071-008	MW-4-2	08/22/06	08:21
L0601071-009	MW-4-1	08/22/06	08:55
L0601071-010	DUPE-1-3Q06	08/22/06	00:00
L0601071-011	EB-6-8/22/06	08/22/06	08:41
L0601071-012	MW-11-3	08/22/06	10:38
L0601071-013	MW-11-2	08/22/06	11:03
L0601071-014	MW-11-1	08/22/06	11:29
L0601071-015	MW-24-4	08/23/06	09:45
L0601071-016	MW-24-3	08/23/06	10:10
L0601071-017	MW-24-2	08/23/06	10:35
L0601071-018	MW-24-1	08/23/06	11:12
L0601071-019	EB-7-8/23/06	08/23/06	10:54
L0601071-020	SB-1-8/23/06	08/23/06	10:59
L0601071-021	MW-22-3	08/24/06	07:58
L0601071-022	MW-22-2	08/24/06	08:23
L0601071-023	MW-22-1	08/24/06	08:54
L0601071-024	EB-8-8/24/06	08/24/06	08:43
L0601071-025	MW-12-3	08/24/06	10:48
L0601071-026	MW-12-2	08/24/06	11:14
L0601071-027	MW-12-1	08/24/06	11:41
L0601071-028	MW-23-4	08/25/06	07:52
L0601071-029	MW-23-3	08/25/06	08:16
L0601071-030	MW-23-2	08/25/06	08:47
L0601071-031	MW-23-1	08/25/06	09:40
L0601071-032	DUPE-2-3Q06	08/25/06	00:00
L0601071-033	EB-9-8/25/06	08/25/06	09:30



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 X02 • FAX (818) 587-5555

CAS Contact

PAGE 1 OF 1

Project Name NPL GW MON 3006	Project Number G486090 / 204142	ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Project Manager DAVID CANNIER	Report CC	PRESERVATIVE	
Company/Address BATELLE		NUMBER OF CONTAINERS	
3990 OLD TOWN AVE, STE. C-205		TPH Gas 8015m (purgeable)	TPH Diesel Fuel Char. <input type="checkbox"/>
SAN DIEGO, CA 92110		8015m (extractable)	BTX <input type="checkbox"/> MTBE <input type="checkbox"/>
Phone # 619-726-7311	FAX#	Halogenated Volatiles	8260 / 624
Sampler's Signature MARCO MENDOZA	Sampler's Printed Name MARCO MENDOZA	VOA by GCMS <input type="checkbox"/>	8260 / 624
		SemivOA by GCMS <input type="checkbox"/>	8270 / 625
		Pesticides <input type="checkbox"/>	8081 / 8082 / 608
		PCBs <input type="checkbox"/>	9010 / 6020 / 7000 / 2007 / 2008
		CCR Metals (17)	(7196)

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX	REMARKS/ ALTERNATE DESCRIPTION
MW-20-5	1	8/21/06	817	W	
MW-20-4	2		852		
MW-20-3	3		926		
MW-20-2	4		1000		
MW-20-1	5		1050		MS/MSD
OT					
EB-5-8/21/06	6		1038		EQUIP. BLANK

SPECIAL INSTRUCTIONS/COMMENTS See QAPP <input type="checkbox"/>	TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) PLEASE CIRCLE WORK DAYS 1 2 3 4 <input checked="" type="checkbox"/> STANDARD REQUESTED FAX DATE _____ REQUESTED REPORT DATE _____	REPORT REQUIREMENTS I. Results Only _____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) _____ III. Results + QC and Calibration Summaries _____ IV. Data Validation Report with Raw Data _____ MRL Yes ___ No ___ POL/MDLU Yes ___ No ___ Edata Yes ___ No ___	INVOICE INFORMATION PO# 204142 BILL TO: BATELLE/ TOMPKINS 505 KING AVE COLUMBUS, OH 43201 Lab No: 20601071
SAMPLE RECEIPT: CONDITION/COOLER TEMP: RELINQUISHED BY: <i>[Signature]</i> Signature: MARCO MENDOZA Printed Name: MARCO MENDOZA Firm: CEC/SON Date/Time: 8/21/06 1225		RECEIVED BY: Signature: <i>[Signature]</i> Printed Name: CONAR KUKIYA Firm: CEC Date/Time: 8/21/06 1405	
RELINQUISHED BY: Signature: <i>[Signature]</i> Printed Name: DAVID CANNIER Firm: BATELLE Date/Time: 8/21/06 1405		RECEIVED BY: Signature: <i>[Signature]</i> Printed Name: DAVID CANNIER Firm: BATELLE Date/Time: 8/21/06 1405	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

CAS Contact

PAGE 1 OF 2

Project Name JPL GW MW 3006	Project Number 6486090	Report CC 204142
Project Manager DAVID CONNER	Company/Address BATELLE	3990 OLD TOWN AVE, STE C-205 SAN DIEGO, CA 92110 Phone # 619-726-7311
Sampler's Signature <i>[Signature]</i>	Sampler's Printed Name MARCO MENDOZA	Sampler's Fax #

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	PRESERVATIVE	ANALYSIS REQUESTED (Include Method Number and Container Preservative)	REMARKS/ALTERNATE DESCRIPTION
MW-4-3	7	8/22/06	757	W	1		TPH Gas 8015m (purgeable) 8015m (extractable) Fuel Char. 8021 / 602 BTEX 8021 / 602 Halogenated Volatiles 8260 VOA by GCMS 8260 / 824 SemiVOA by GCMS 8270 / 825 Pesticides 8081 / 8082 / 608 PCBs 8081 / 8082 / 608 CCR Metals (17) 6010 / 6020 / 7000 / 2007 / 2008	LEVEL IV QC
MW-4-2	8	8/21	821					
MW-4-1	9	855						
DUPE-1-3006	10							
EB-6-8/22/06	11	841						DUPLICATE
								EQUIP. BLANK

SPECIAL INSTRUCTIONS/COMMENTS	TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) _____ PLEASE CIRCLE WORK DAYS 1 2 3 4 <input checked="" type="checkbox"/> STANDARD	REPORT REQUIREMENTS I. Results Only _____ II. Results + QC Summaries (LCS, DUP, MSMSD as required) _____ III. Results + QC and Calibration Summaries _____ IV. Data Validation Report with Raw Data MRL Yes ___ No ___ PQL/MDL/J Yes ___ No ___ Edata Yes ___ No ___	INVOICE INFORMATION PO# 204142 BILL TO: BATELLE / CEPALD 505 KING AVE COLUMBUS, OH 43201 Lab No: 60601071
	RECEIVED BY <i>[Signature]</i> Signature Printed Name Firm Date/Time	RECEIVED BY <i>[Signature]</i> Signature Printed Name Firm Date/Time	RECEIVED BY <i>[Signature]</i> Signature Printed Name Firm Date/Time



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

CAS Contact

PAGE 2 OF 2

Project Name: JPL GW Mon. 3006 Project Number: 0486090/204142

Project Manager: DAVID CONNERZ Report CC: BATIELLE

Company/Address: 3990 OLD TOWN AVE., STE C-205
SAN DIEGO, CA 92110

Phone #: 619-726-7311 FAX#: _____

Sampler's Signature: MARCO MENDOZA Sampler's Printed Name: MARCO MENDOZA

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

TPH Gas 8015m (purgeable)	TPH Diesel Fuel Char. 8015m (extractable)	BTEX MTBE	8021 / 602	Halogenated Volatiles 8260	VOA by GMS 8260 / 624	SemiVOA by GMS 8270 / 625	Pesticides 8081 / 8082 / 608	CCR Metals 6010 / 6020 / 7000 / 200.7 / 200.8
---------------------------	-------------------------------------------	-----------	------------	----------------------------	-----------------------	---------------------------	------------------------------	-----------------------------------------------

PRESERVATIVE: _____

NUMBER OF CONTAINERS: _____

Preservative Key:
 0. NONE
 1. HCL
 2. HNO₃
 3. H₂SO₄
 4. NaOH
 5. Zn Acetate
 6. MeOH
 7. NaHSO₄
 8. Other _____

REMARKS/ALTERNATE DESCRIPTION: _____

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX
MW-11-3	12	8/26/06	1038	W
MW-11-2	13	1103		
MW-11-1	14	1129		
7				

SPECIAL INSTRUCTIONS/COMMENTS: _____

TURNAROUND REQUIREMENTS: RUSH (SURCHARGES APPLY) _____

PLEASE CIRCLE WORK DAYS: 1 2 3 4
 STANDARD

REPORT REQUIREMENTS:
 I. Results Only _____
 II. Results + QC Summaries (LCS, DUP, MS/MSD as required) _____
 III. Results + QC and Calibration Summaries _____
 IV. Data Validation Report with Raw Data _____

MRL: Yes ___ No ___
 POL/MDLJ: Yes ___ No ___
 Edata: Yes ___ No ___

REQUESTED FAX DATE: _____
 REQUESTED REPORT DATE: _____

INVOICE INFORMATION:
 PO# 204142
 BILL TO: BATIELLE / GERAUD
505 KING AVE
COLUMBUS OH 43201
 Lab No: 1060107

SAMPLE RECEIPT: CONDITION/COOLER TEMP. _____

RECEIVED BY: [Signature] Signature: _____
 Printed Name: MARCO MENDOZA
 Firm: CAS
 Date/Time: 8/26/06 1230

RECEIVED BY: [Signature] Signature: _____
 Printed Name: MARCO MENDOZA
 Firm: CAS
 Date/Time: 8/26/06 1230

RECEIVED BY: [Signature] Signature: _____
 Printed Name: MARCO MENDOZA
 Firm: CAS
 Date/Time: 8/26/06 1230

RECEIVED BY: [Signature] Signature: _____
 Printed Name: MARCO MENDOZA
 Firm: CAS
 Date/Time: 8/26/06 1230

RECEIVED BY: [Signature] Signature: _____
 Printed Name: MARCO MENDOZA
 Firm: CAS
 Date/Time: 8/26/06 1230



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

CAS Contact

PAGE 1 OF 1

Project Name: JPL GW MON3006 Project Number: 6486090/204142
 Project Manager: DAVID CANNER Report CC: 0
 Company/Address: BATIELLE
3990 OLD TOWN AVE, STE. C205
SAN DIEGO, CA 92110
 Phone #: 619-726-7311 FAX#:
 Sampler's Signature: MARCO MENDOZA Sampler's Printed Name: MARCO MENDOZA

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

TPH Gas 8015m (purgeable)	TPH Diesel Fuel Char. 8015m (extractable)	BTEX MTBE	8021 / 602	Halogenated Volatiles	8260	VOA by GCMS 8260 / 624	SemivOA by GCMS 8270 / 625	Pesticides 8081 / 8082 / 608	PCBs 8081 / 8082 / 608	CCR Metals (17) 6010 / 6020 / 7000 / 2007 / 2008	Preservative Key
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn Acetate 6. MeOH 7. NaHSO4 8. Other

REMARKS/ALTERNATE DESCRIPTION

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX
MW-24-4	15	8/23/06	945	W
MW-24-3	16		1010	
MW-24-2	17		1035	
MW-24-1	18		1112	
EB-7-8/23/06	19		1054	
SB-1-8/23/06	20		1059	

SPECIAL INSTRUCTIONS/COMMENTS

TURNAROUND REQUIREMENTS
 RUSH (SURCHARGES APPLY)
 PLEASE CIRCLE WORK DAYS: 1 2 3 4
 STANDARD
 REQUESTED FAX DATE: _____
 REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS
 I. Results Only
 II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
 III. Results + QC and Calibration Summaries
 IV. Data Validation Report with Raw Data
 MRL Yes ___ No ___
 POL/MDL/J Yes ___ No ___
 Edata Yes ___ No ___

INVOICE INFORMATION
 PO# 204142
 BILL TO: BATIELLE / GERALD BATTIELLE / TOMPKINS
505 KING AVE
COLUMBUS, OH 43201
 Lab No: 10601071

RECEIVED BY: [Signature] Signature
[Printed Name] Printed Name
[Firm] Firm
[Date/Time] Date/Time

RECEIVED BY: [Signature] Signature
[Printed Name] Printed Name
[Firm] Firm
[Date/Time] Date/Time

CUSTOMY SEALS: Y N
 RELINQUISHED BY: [Signature] Signature
[Printed Name] Printed Name
[Firm] Firm
[Date/Time] Date/Time

RECEIVED BY: [Signature] Signature
[Printed Name] Printed Name
[Firm] Firm
[Date/Time] Date/Time



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555 PAGE 1 OF 2

CAS Contact

Project Name JPL GW MON 3006 Project Manager DAVID CANNER Company/Address BATTLELLE 3990 OLD TOWN AVE, STE. C-205 SAN DIEGO, CA 92110 Phone # 619-726-7311 Sampler's Signature MARCO MENDOZA	Project Number 6486090 / 204142 Report CC Report CC Company/Address BATTLELLE 3990 OLD TOWN AVE, STE. C-205 SAN DIEGO, CA 92110 Phone # 619-726-7311 Sampler's Signature MARCO MENDOZA	ANALYSIS REQUESTED (Include Method Number and Container Preservative) TPB Gas 8015m (purgeable) <input type="checkbox"/> TPB Diesel Fuel Char. <input type="checkbox"/> 8015m (extractable) <input type="checkbox"/> BTX <input type="checkbox"/> MTBE <input type="checkbox"/> 8021 / 602 Halogenated Volatiles 8260 VOA by GMS <input type="checkbox"/> 624 8260 / 624 SemiVOA by GMS <input type="checkbox"/> Oxygenates <input type="checkbox"/> 8270 / 625 Pesticides <input type="checkbox"/> PCBs <input type="checkbox"/> 8081 / 8082 CCR Metals (17) 608 8010 / 6020 / 7000 / 200.7 / 200.8 CV III (7196)	PRESERVATIVE 0 1 2 3 4 5 6 7 8
ANALYSIS REQUESTED (Include Method Number and Container Preservative)			
PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO ₃ 3. H ₂ SO ₄ 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO ₄ 8. Other _____			
REMARKS/ALTERNATE DESCRIPTION LEVEL III OC EQUIP. BLANK			
CLIENT SAMPLE ID MW-22-3 MW-22-2 MW-22-1 EB-8-8/24/06 60	LAB ID 21 22 23 24	SAMPLING DATE 8/24/06 	SAMPLING TIME 758 823 854 843
MATRIX W 			
NUMBER OF CONTAINERS 1 			
SPECIAL INSTRUCTIONS/COMMENTS			
See QAPP <input type="checkbox"/>			
TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) PLEASE CIRCLE WORK DAYS 1 2 3 4 STANDARD <input checked="" type="checkbox"/> REQUESTED FAX DATE _____ REQUESTED REPORT DATE _____			
REPORT REQUIREMENTS I. Results Only _____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) _____ III. Results + QC and Calibration Summaries _____ IV. Data Validation Report with Raw Data _____ MRL Yes _____ No _____ PQL/MDLJ Yes _____ No _____ Edata Yes _____ No _____			
INVOICE INFORMATION PO# 234142 BILL TO: BATTLELLE / GERALD 505 KING AVE COLUMBUS, OH 43201 Lab No: 10601071			
RECEIVED BY Signature: [Signature] Printed Name: MARCO MENDOZA Firm: GEFAN Date/Time: 8/24/06 1310		RECEIVED BY Signature: [Signature] Printed Name: N. T. W. [Name] Firm: CAS Date/Time: 8/24/06 1405	
RECEIVED BY Signature: [Signature] Printed Name: MARCO MENDOZA Firm: GEFAN Date/Time: 8/24/06 1310		RECEIVED BY Signature: [Signature] Printed Name: N. T. W. [Name] Firm: CAS Date/Time: 8/24/06 1405	
CUSTOMY SEALS: Y N RELINQUISHED BY: [Signature]			

Columbia Analytical Services, Inc.

Chain of Custody Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601071-001.01	08/21/2006	1419	SMO / LKUKITA	
	08/21/2006	1437	In Lab / RWONG	
	08/21/2006	1615	L-020 / RWONG	
L0601071-002.01	08/21/2006	1419	SMO / LKUKITA	
	08/21/2006	1437	In Lab / RWONG	
	08/21/2006	1614	L-020 / RWONG	
L0601071-003.01	08/21/2006	1419	SMO / LKUKITA	
	08/21/2006	1437	In Lab / RWONG	
	08/21/2006	1614	L-020 / RWONG	
L0601071-004.01	08/21/2006	1419	SMO / LKUKITA	
	08/21/2006	1437	In Lab / RWONG	
	08/21/2006	1614	L-020 / RWONG	
L0601071-004.02	08/21/2006	1419	SMO / LKUKITA	
	08/21/2006	1437	In Lab / RWONG	
	08/21/2006	1614	L-020 / RWONG	
L0601071-005.01	08/21/2006	1419	SMO / LKUKITA	
	08/21/2006	1437	In Lab / RWONG	
	08/21/2006	1614	L-020 / RWONG	
L0601071-006.01	08/21/2006	1419	SMO / LKUKITA	
	08/21/2006	1437	In Lab / RWONG	
	08/21/2006	1614	L-020 / RWONG	
L0601071-007.01	08/22/2006	1402	SMO / SANDERSON	
	08/22/2006	1418	L-020 / SANDERSON	
	08/22/2006	1439	In Lab / RWONG	
	08/22/2006	1614	L-020 / RWONG	
L0601071-008.01	08/22/2006	1403	SMO / SANDERSON	
	08/22/2006	1418	L-020 / SANDERSON	
	08/22/2006	1439	In Lab / RWONG	
	08/22/2006	1614	L-020 / RWONG	
L0601071-009.01	08/22/2006	1403	SMO / SANDERSON	
	08/22/2006	1418	L-020 / SANDERSON	
	08/22/2006	1438	In Lab / RWONG	
	08/22/2006	1614	L-020 / RWONG	
L0601071-010.01	08/22/2006	1403	12 SMO / SANDERSON	

Columbia Analytical Services, Inc.

Chain of Custody Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601071-010.01	08/22/2006	1418	L-020 / SANDERSON	
	08/22/2006	1438	In Lab / RWONG	
	08/22/2006	1614	L-020 / RWONG	
L0601071-011.01	08/22/2006	1403	SMO / SANDERSON	
	08/22/2006	1418	L-020 / SANDERSON	
	08/22/2006	1438	In Lab / RWONG	
	08/22/2006	1614	L-020 / RWONG	
L0601071-012.01	08/22/2006	1403	SMO / SANDERSON	
	08/22/2006	1418	L-020 / SANDERSON	
	08/22/2006	1439	In Lab / RWONG	
	08/22/2006	1614	L-020 / RWONG	
L0601071-013.01	08/22/2006	1403	SMO / SANDERSON	
	08/22/2006	1418	L-020 / SANDERSON	
	08/22/2006	1438	In Lab / RWONG	
	08/22/2006	1614	L-020 / RWONG	
L0601071-014.01	08/22/2006	1403	SMO / SANDERSON	
	08/22/2006	1418	L-020 / SANDERSON	
	08/22/2006	1438	In Lab / RWONG	
	08/22/2006	1614	L-020 / RWONG	
L0601071-015.01	08/23/2006	1323	SMO / SANDERSON	
	08/23/2006	1334	L-020 / SANDERSON	
	08/23/2006	1356	In Lab / RWONG	
	08/23/2006	1514	L-020 / SANDERSON	
L0601071-016.01	08/23/2006	1323	SMO / SANDERSON	
	08/23/2006	1334	L-020 / SANDERSON	
	08/23/2006	1356	In Lab / RWONG	
	08/23/2006	1514	L-020 / SANDERSON	
L0601071-017.01	08/23/2006	1323	SMO / SANDERSON	
	08/23/2006	1334	L-020 / SANDERSON	
	08/23/2006	1355	In Lab / RWONG	
	08/23/2006	1514	L-020 / SANDERSON	
L0601071-018.01	08/23/2006	1323	SMO / SANDERSON	
	08/23/2006	1334	L-020 / SANDERSON	
	08/23/2006	1356	In Lab / RWONG	
	08/23/2006	1514	L-020 / SANDERSON	

Columbia Analytical Services, Inc.

Chain of Custody Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601071-019.01	08/23/2006	1323	SMO / SANDERSON	
	08/23/2006	1334	L-020 / SANDERSON	
	08/23/2006	1356	In Lab / RWONG	
	08/23/2006	1514	L-020 / SANDERSON	
L0601071-020.01	08/23/2006	1323	SMO / SANDERSON	
	08/23/2006	1334	L-020 / SANDERSON	
	08/23/2006	1356	In Lab / RWONG	
	08/23/2006	1514	L-020 / SANDERSON	
L0601071-021.01	08/24/2006	1412	SMO / SANDERSON	
	08/24/2006	1415	L-020 / SANDERSON	
	08/24/2006	1512	In Lab / RWONG	
	08/24/2006	1621	L-020 / RWONG	
L0601071-022.01	08/24/2006	1413	SMO / SANDERSON	
	08/24/2006	1415	L-020 / SANDERSON	
	08/24/2006	1512	In Lab / RWONG	
	08/24/2006	1622	L-020 / RWONG	
L0601071-023.01	08/24/2006	1413	SMO / SANDERSON	
	08/24/2006	1415	L-020 / SANDERSON	
	08/24/2006	1512	In Lab / RWONG	
	08/24/2006	1622	L-020 / RWONG	
L0601071-024.01	08/24/2006	1413	SMO / SANDERSON	
	08/24/2006	1415	L-020 / SANDERSON	
	08/24/2006	1512	In Lab / RWONG	
	08/24/2006	1621	L-020 / RWONG	
L0601071-025.01	08/24/2006	1413	SMO / SANDERSON	
	08/24/2006	1415	L-020 / SANDERSON	
	08/24/2006	1512	In Lab / RWONG	
	08/24/2006	1621	L-020 / RWONG	
L0601071-026.01	08/24/2006	1413	SMO / SANDERSON	
	08/24/2006	1415	L-020 / SANDERSON	
	08/24/2006	1512	In Lab / RWONG	
	08/24/2006	1622	L-020 / RWONG	
L0601071-027.01	08/24/2006	1413	SMO / SANDERSON	
	08/24/2006	1415	L-020 / SANDERSON	
	08/24/2006	1512	In Lab / RWONG	
	08/24/2006	1622	L-020 / RWONG	

14

Columbia Analytical Services, Inc.
Chain of Custody Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601071-028.01	08/25/2006	1236	SMO / SANDERSON	
	08/25/2006	1319	In Lab / RWONG	
	08/25/2006	1703	L-020 / RWONG	
L0601071-029.01	08/25/2006	1238	SMO / SANDERSON	
	08/25/2006	1319	In Lab / RWONG	
	08/25/2006	1703	L-020 / RWONG	
L0601071-030.01	08/25/2006	1238	SMO / SANDERSON	
	08/25/2006	1319	In Lab / RWONG	
	08/25/2006	1703	L-020 / RWONG	
L0601071-031.01	08/25/2006	1238	SMO / SANDERSON	
	08/25/2006	1319	In Lab / RWONG	
	08/25/2006	1703	L-020 / RWONG	
L0601071-032.01	08/25/2006	1238	SMO / SANDERSON	
	08/25/2006	1319	In Lab / RWONG	
	08/25/2006	1703	L-020 / RWONG	
L0601071-033.01	08/25/2006	1238	SMO / SANDERSON	
	08/25/2006	1319	In Lab / RWONG	
	08/25/2006	1703	L-020 / RWONG	

SAMPLE RECEIPT FORM

Service Request No: L060 1071 Client: BATTELLE

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler 5 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl <input type="checkbox"/>	D.O <input type="checkbox"/>	Flash <input type="checkbox"/>	Diss S2- <input type="checkbox"/>	Ferrous Fe <input type="checkbox"/>
24HR	pH <input type="checkbox"/>	Odor <input type="checkbox"/>	Cr+6 <input checked="" type="checkbox"/>		
48HR	BOD <input type="checkbox"/>	Color <input type="checkbox"/>	MBAS <input type="checkbox"/>	Nitrate <input type="checkbox"/>	
	Nitrite <input type="checkbox"/>	O-PO4 <input type="checkbox"/>	Sett Sol <input type="checkbox"/>	Turbidity <input type="checkbox"/>	
72HR	Vapors <input type="checkbox"/>				

Notified Roger Date & Time 8/21/06 1430

Container(s) received and their preservative(s):

-1 → -3, -5, -6 = 1-125ml plastic (NP)
4 = 2-125ml plastic (NP)

Comments _____

Initials, Date, Time [Signature] ¹⁶ 8/21/06 1452
T:\SR_forms\cooler.doc Rev. 2/25/02

SAMPLE RECEIPT FORM

Service Request No: L060 1071 Client: Battelle

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler _____ °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

- ASAP Res Cl D.O Flash Diss S2- Ferrous Fe
- 24HR pH Odor Cr+6
- 48HR BOD Color MBAS Nitrate
- 72HR Nitrite O-PO4 Sett Sol Turbidity
- Vapors

Notified ROGER Date & Time 8/22/06 1400

Container(s) received and their preservative(s):

7-14: 1-125ml (NP)

Comments _____

Initials, Date, Time Spw 8/22/06 1400 r:\sr_forms\cooler.doc Rev. 2/25/02

SAMPLE RECEIPT FORM

Service Request No: L0601071 Client: BATTELLE

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler 4 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

- | | | | | | |
|-------------|----------------------------------|--------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| ASAP | Res Cl <input type="checkbox"/> | D.O <input type="checkbox"/> | Flash <input type="checkbox"/> | Diss S2- <input type="checkbox"/> | Ferrous Fe <input type="checkbox"/> |
| 24HR | pH <input type="checkbox"/> | Odor <input type="checkbox"/> | Cr+6 <input type="checkbox"/> | | |
| 48HR | BOD <input type="checkbox"/> | Color <input type="checkbox"/> | MBAS <input type="checkbox"/> | Nitrate <input type="checkbox"/> | |
| | Nitrite <input type="checkbox"/> | O-PO4 <input type="checkbox"/> | Sett Sol <input type="checkbox"/> | Turbidity <input type="checkbox"/> | |
| 72HR | Vapors <input type="checkbox"/> | | | | |

Notified _____ Date & Time _____

Container(s) received and their preservative(s):

15 → 20 = 1 - 125ml (NP)

Comments _____

Initials, Date, Time [Signature] 8/23/06 1322 ¹⁸
r:\sr_forms\cooler.doc Rev. 2/25/02

SAMPLE RECEIPT FORM

21-727

Service Request No: L0601071 Client: Battelle

Sample(s) delivered by: Client ___ CAS Emp [checked] After Hours ___ DHL ___

Golden State Overnight ___ Fed X ___ UPS ___ Other Courier ___

Chain of Custody filled out accurately? Yes [checked] No ___ (See Comments)

Appropriate sample volume and containers? Yes [checked] No ___ (See Comments)

Sufficient labeling on container(s)? Yes [checked] No ___ (See Comments)

Container(s) supplied by CAS? Yes [checked] No ___ (See Comments)

Custody seal(s) intact? N/A [checked] Yes ___ No ___ (See Comments)

Trip Blank(s) received Yes ___ No [checked]

If Trip Blank was supplied by CAS, record serial # ___ -TB- ___

Temperature of sample(s)/cooler 3 °C Temp Blank? [Y] or N (Circle One)

Voa's Marked Preserved? Yes ___ No ___ Filled Properly? Yes ___ No ___ (See Comments)

Preserved Bottles Requiring pH check(s)? Yes ___ Appropriate Preservation? Yes ___ No ___

RUSH Turn around time? Yes ___ Notified ___ Date & Time ___

Short Hold-Time Analysis (check all that apply)

- ASAP Res Cl ___ D.O ___ Flash [checked] Diss S2- ___ Ferrous Fe ___
24HR pH ___ Odor ___ Cr+6 [checked]
48HR BOD ___ Color ___ MBAS ___ Nitrate ___
72HR Nitrite ___ O-PO4 ___ Sett Sol ___ Turbidity ___
Vapors ___

Notified [Signature] Date & Time 8/24/06 1410

Container(s) received and their preservative(s):

21-727 = 1-125 ml p1 (NP)

Comments

Initials, Date, Time [Signature] 9/24/06 1410 r:\sr_forms\cooler.doc Rev. 2/25/02

SAMPLE RECEIPT FORM

Service Request No: L060 1071 Client: Ba Helle

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s) ? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler 4 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl <input type="checkbox"/>	D.O <input type="checkbox"/>	Flash <input type="checkbox"/>	Diss S2- <input type="checkbox"/>	Ferrous Fe <input type="checkbox"/>
24HR	pH <input type="checkbox"/>	Odor <input type="checkbox"/>	Cr+6 <input type="checkbox"/>		
48HR	BOD <input type="checkbox"/>	Color <input type="checkbox"/>	MBAS <input type="checkbox"/>	Nitrate <input type="checkbox"/>	
	Nitrite <input type="checkbox"/>	O-PO4 <input type="checkbox"/>	Sett Sol <input type="checkbox"/>	Turbidity <input type="checkbox"/>	
72HR	Vapors <input type="checkbox"/>				

Notified _____ Date & Time _____

Container(s) received and their preservative(s):

28 → 33 = 1-125ml p1 (NP)

Comments _____

Initials, Date, Time [Signature] 0/25/06 1250 I:\sr_forms\cooler.doc Rev. 2/25/02

DIVIDER SHEET

ANALYTICAL DATA

FOR

Hexavalent Chromium

ANALYSIS

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Battelle
 Project Name : JPL Groundwater Monitoring 3Q06
 Project Number : G486090/204142
 Sample Matrix : WATER

Service Request : L0601071
 Date Collected : 08/21-25/06
 Date Received : 08/21-25/06

Chromium, Hexavalent

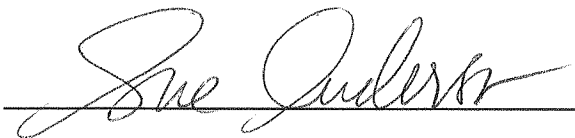
Prep Method : None
 Analysis Method : 7196A
 Test Notes :

Units : mg/L (ppm)
 Basis : NA

Sample Name	Lab Code	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
MW-20-5	L0601071-001	0.01	0.003	1	NA	08/21/06	ND	
MW-20-4	L0601071-002	0.01	0.003	1	NA	08/21/06	ND	
MW-20-3	L0601071-003	0.01	0.003	1	NA	08/21/06	ND	
MW-20-2	L0601071-004	0.01	0.003	1	NA	08/21/06	ND	
MW-20-1	L0601071-005	0.01	0.003	1	NA	08/21/06	0.005	J
EB-5-8/21/06	L0601071-006	0.01	0.003	1	NA	08/21/06	0.004	J
MW-4-3	L0601071-007	0.01	0.003	1	NA	08/22/06	ND	
MW-4-2	L0601071-008	0.01	0.003	1	NA	08/22/06	ND	
MW-4-1	L0601071-009	0.01	0.003	1	NA	08/22/06	ND	
DUPE-1-3Q06	L0601071-010	0.01	0.003	1	NA	08/22/06	ND	
EB-6-8/22/06	L0601071-011	0.01	0.003	1	NA	08/22/06	ND	
MW-11-3	L0601071-012	0.01	0.003	1	NA	08/22/06	ND	
MW-11-2	L0601071-013	0.01	0.003	1	NA	08/22/06	ND	
MW-11-1	L0601071-014	0.01	0.003	1	NA	08/22/06	ND	
MW-24-4	L0601071-015	0.01	0.003	1	NA	08/23/06	ND	
MW-24-3	L0601071-016	0.01	0.003	1	NA	08/23/06	ND	
MW-24-2	L0601071-017	0.01	0.003	1	NA	08/23/06	ND	
MW-24-1	L0601071-018	0.01	0.003	1	NA	08/23/06	ND	
EB-7-8/23/06	L0601071-019	0.01	0.003	1	NA	08/23/06	ND	
SB-1-8/23/06	L0601071-020	0.01	0.003	1	NA	08/23/06	ND	
MW-22-3	L0601071-021	0.01	0.003	1	NA	08/24/06	ND	
MW-22-2	L0601071-022	0.01	0.003	1	NA	08/24/06	0.008	J
MW-22-1	L0601071-023	0.01	0.003	1	NA	08/24/06	0.007	J
EB-8-8/24/06	L0601071-024	0.01	0.003	1	NA	08/24/06	0.01	J
MW-12-3	L0601071-025	0.01	0.003	1	NA	08/24/06	0.008	J
MW-12-2	L0601071-026	0.01	0.003	1	NA	08/24/06	0.004	J
MW-12-1	L0601071-027	0.01	0.003	1	NA	08/24/06	ND	
MW-23-4	L0601071-028	0.01	0.003	1	NA	08/25/06	ND	
MW-23-3	L0601071-029	0.01	0.003	1	NA	08/25/06	ND	

J Estimated concentration. The result is less than the PQL but greater than the MDL.

Approved By



Date :

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601071
Date Collected : 08/21-25/06
Date Received : 08/21-25/06


Chromium, Hexavalent

Prep Method : None
 Analysis Method : 7196A
 Test Notes :

Units : mg/L (ppm)
 Basis : NA

Sample Name	Lab Code	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
MW-23-2	L0601071-030	0.01	0.003	1	NA	08/25/06	ND	
MW-23-1	L0601071-031	0.02	0.006	2	NA	08/25/06	ND	F1B
DUPE-2-3Q06	L0601071-032	0.01	0.003	1	NA	08/25/06	ND	
EB-9-8/25/06	L0601071-033	0.01	0.003	1	NA	08/25/06	ND	
Method Blank	L0601071-MB	0.01	0.003	1	NA	08/21/06	ND	
Method Blank	L0601071-MB	0.01	0.003	1	NA	08/22/06	ND	
Method Blank	L0601071-MB	0.01	0.003	1	NA	08/23/06	ND	
Method Blank	L0601071-MB	0.01	0.003	1	NA	08/24/06	ND	
Method Blank	L0601071-MB	0.01	0.003	1	NA	08/25/06	ND	

F1B The PQL is elevated because of matrix interferences.

Approved By  Date : 8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
 Project Name : JPL Groundwater Monitoring 3Q06
 Project Number : G486090/204142
 Sample Matrix : WATER

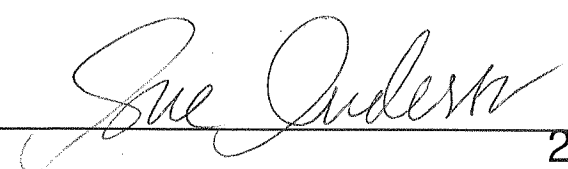
Service Request : L0601071
 Date Collected : NA
 Date Received : NA
 Date Extracted : NA
 Date Analyzed : 08/21-25/06

Laboratory Control Sample Summary
 Inorganic Parameters

Sample Name : Laboratory Control Sample
 Lab Code : L0601071-LCS
 Test Notes :

Basis : NA

Analyte	Units	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Chromium, Hexavalent	mg/L (ppm)	7196A	0.0400	0.0404	101	90-110	
Chromium, Hexavalent	mg/L (ppm)	7196A	0.0400	0.0375	94	90-110	
Chromium, Hexavalent	mg/L (ppm)	7196A	0.0400	0.0370	93	90-110	
Chromium, Hexavalent	mg/L (ppm)	7196A	0.0400	0.0391	98	90-110	
Chromium, Hexavalent	mg/L (ppm)	7196A	0.0400	0.0419	105	90-110	

Approved By :  Date : 8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Collected: NA
Date Received: NA
Date Analyzed: 8/21/06

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND

Approved By: _____
ICCBMDL120594



Date: _____

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Analyzed: 8/21/06

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0387	100
CCV1	0.0387	0.0396	102

Approved By:
CCV1A/120594



Date:

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report


Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601071
Date Collected : 08/21/06
Date Received : 08/21/06
Date Extracted : NA
Date Analyzed : 08/21/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-20-2 Units : mg/L (ppm)
 Lab Code : L0601071-004MS L0601071-004DMS Basis : NA
 Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0507	0.0507	101	101	85-115	<1	

Approved By  Date : 8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Collected: NA
Date Received: NA
Date Analyzed: 8/22/06

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND
CCB2	0.01	0.003	ND

Approved By: _____
ICCBMDL/120594



Date: _____

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Analyzed: 8/22/06

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0412	106
CCV1	0.0387	0.0365	94
CCV2	0.0387	0.0365	94

Approved By: _____
CCV1A/120594



Date: _____

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report


Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601071
Date Collected : 08/22/06
Date Received : 08/22/06
Date Extracted : NA
Date Analyzed : 08/22/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-4-2 Units : mg/L (ppm)
Lab Code : L0601071-008MS L0601071-008DMS Basis : NA
Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0430	0.0430	86	86	85-115	<1	

Approved By  Date : 8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report


Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Collected: NA
Date Received: NA
Date Analyzed: 8/23/06

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND
CCB3	0.01	0.003	ND

Approved By: _____
ICCBMDL120594



Date: _____

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Analyzed: 8/23/06

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0380	98
CCV1	0.0387	0.0390	101
CCV3	0.0387	0.0420	109

Approved By:  Date: 8/30/06
CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER


Service Request : L0601071
Date Collected : 08/23/06
Date Received : 08/23/06
Date Extracted : NA
Date Analyzed : 08/23/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-24-4 Units : mg/L (ppm)
 Lab Code : L0601071-015MS L0601071-015DMS Basis : NA
 Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0281	0.0271	56	54	85-115	4	M1A

M1A MS/DMS outside of acceptance limits. The LCS was acceptable; therefore, data was approved.

Approved By  Date : 8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Collected: NA
Date Received: NA
Date Analyzed: 8/24/06

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND
CCB2	0.01	0.003	ND

Approved By: _____
ICCBMDL/120594



Date: _____

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Analyzed: 8/24/06

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0381	98
CCV1	0.0387	0.0381	98
CCV2	0.0387	0.0409	106

Approved By: _____



Date: _____

8/30/06

CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601071
Date Collected : 08/24/06
Date Received : 08/24/06
Date Extracted : NA
Date Analyzed : 08/24/06

Matrix Spike/Duplicate Matrix Spike Summary

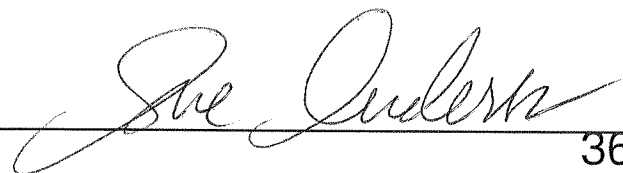
Sample Name : MW-22-3
Lab Code : L0601071-021MS
Test Notes :

L0601071-021DMS

Units : mg/L (ppm)
Basis : NA

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0476	0.0514	95	103	85-115	8	

Approved By



Date :

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Collected: NA
Date Received: NA
Date Analyzed: 8/25/06

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND
CCB2	0.01	0.003	ND

Approved By: _____
ICCBMDL/120594



Date: _____

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601071
Date Analyzed: 8/25/06

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0409	106
CCV1	0.0387	0.0409	106
CCV2	0.0387	0.0400	103

Approved By: _____
CCV1A/120594



Date: _____

8/30/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

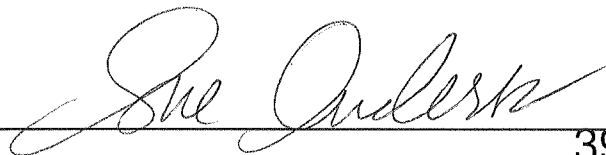
Service Request : L0601071
Date Collected : 08/25/06
Date Received : 08/25/06
Date Extracted : NA
Date Analyzed : 08/25/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-23-4 Units : mg/L (ppm)
Lab Code : L0601071-028MS L0601071-028DMS Basis : NA
Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0514	0.0523	103	105	85-115	2	

Approved By



Date :

8/30/06

DIVIDER SHEET

RAW DATA FOR

Hexavalent Chromium

ANALYSIS



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1071

Run #: 62850

Prep Run #

10ppm STOCK # 3397 @ 1/10 exp 2/1/07 Conc. H2SO4 Lot#: EMD 44252E exp 1/3/08

387ppm CV/CCV # 3435 @ 1/10 exp 8/24/06 Coloring Reagent Ref# 3435 8/24/06

Digestion solution (for solids) NA

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC	
						mg/L	mg/Kg	%R	%RPD
1	0	—	0.000	0.000	} 0.999818				
2	0.01	0.1/10		0.010					
3	0.05	0.5/10		0.056					
4	0.1	1/10		0.116					
5	ICB	10		0.000	0.000	0.00093			
6	ICV $\tau v = 0.0387$			0.044	0.044	0.0387	100%		
7	MB			0.000	0.000	0.00093			
8	LCS $\tau v = 0.04ppm$			0.046	0.046	0.0404	101%		
9	1071-1.1			0.000	0.000	0.00093			
10	-2.1		↓	0.002	0.002	0.00265			
11	-3.1		0.002	0.000	0.000	0.00093			
12	-4.1		0.000	0.000	0.000	0.00093			
13	-4.1MS $\tau v = 0.05$		↓	0.058	0.058	0.0507	101	RPD	
14	-4.1MSD		↓	0.058	0.058	↓	101		
15	-5.1		0.001	0.006	0.005	0.00522			
16	↓ -6.1		0.002	0.006	0.004	0.00436			
17	CCV1		0.000	0.045	0.045	0.0396			
18	CCB1		↓	0.000	0.000	0.00093			
19									
20									

Comments: LCS 0.4 ml # 3397 @ 1/10 ↑ 10 ml DI
MS/MSD 0.5 ml # 3397 @ 1/10 ↑ 10 ml sample

Digested: NA
 Prepared by: RW Date/Time: 8/21/06 @ 15:00
 Analyzed by: RW Date/Time: 8/21/06 @ 15:15 **448**
 Reviewed by: GA Date: 8/21/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Page 1 of 2

Service Request #: 1071

Run #: 62973

Prep Run #

STOCK # 3397 @ 1/10 exp 2/1/07 Conc. H2SO4 Lot#: EMO 44257 E exp 1/31/08
 ICV/CCV # 3435 @ 1/10 exp 8/24/06 Coloring Reagent Ref# 3435 8/24/06

Digestion solution (for solids) NA
8/22/06

	Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results mg/L mg/Kg	QA/QC %R %RPD
	1	0		0.000	0.000			
	2	0.01			0.009	} 0.999257		
	3	0.05			0.050			
	4	0.1			0.108			
	5	ICB	10		0.000		0.000	0.0014
	6	ICV TV=0.0387ppm			6.043	0.043	0.0412	106%
+	7	MB			0.000	0.000	0.0014	
	8	LCS TV=0.04ppm		↓	0.039	0.039	0.0375	94
*	9	1071-7.1		0.000	0.000	0.000	0.0014	
	10	-8.1		0.005	0.003	0.000	0.0014	
≠	11	-8.1MS		0.005	0.050	0.045	0.0430 0.860	86% RPD
≠	12	-8.1MSD		0.005	0.050	0.045	0.0430 <small>RW 8/22/06</small>	86% <1
	13	-9.1		0.002	0.002	0.000	0.0014	
	14	-10.1		0.007	0.007	0.000	0.0014	
	15	-11.1		0.001	0.001	0.000	0.0014	
	16	↓ -12.1		0.006	0.002	0.000	0.0014	
	17	CCV TV=0.0387ppm		0.000	0.038	0.038	0.0365	94%
	18	CCB1		↓	0.001	0.001	0.0023	
	19	1071-13.1		0.008	0.003	0.000	0.0014	
	20	1071-14.1		0.007	0.000	0.000	0.0014	

Comments: LCS 0.9 ml # 3397 @ 1/10 ↑ 10ml DJ
* filtered prior to analysis MS/MSD 0.5 ml # 3397 @ 1/10 ↑ 10 ml sample
≠ MS/MSD TV=0.05

Digested: NA

Prepared by: RW Date/Time: 8/22/06 @ 16:05

Analyzed by: RW Date/Time: 8/22/06 @ 16:15

Reviewed by: SR Date: 8/22/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: _____ Run #: _____
 STOCK # _____ See Page 1 Prep Run # _____
 ICV/CCV # _____ Conc. H2SO4 Lot#: _____
 Digestion solution(for solids) _____ Coloring Reagent Ref# _____

Sample #	Sample vpl./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC	
						mg/L	mg/Kg	%R	%RPD
1	CCV ^{1.000} _{0.038} ¹⁰ _{3122/06}	—	0.000	0.038	0.038	0.0365		94%	
2	CCB2 ↓	—	↓	0.001	0.001	0.0023			
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

space not used

Comments: See page 1

Digested: NA
 Prepared by: RW Date/Time: 8/22/06 @ 16:05
 Analyzed by: RW Date/Time: 8/22/06 @ 16:15 40
 Reviewed by: RW Date: 8/22/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Page 17 of 2
 8/23/06

Service Request #: 1071

Run #: 63098

Prep Run #

10ppm STOCK # 3397 @ 1/10 exp 2/1/07
 387ppb ICV/CCV # 3457 @ 1/10 exp 8/24/06
 Digestion solution (for solids) NA

Conc. H2SO4 Lot#: EMD 44257E exp V3V08
 Coloring Reagent Ref# 3445 exp 9/23/06

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results mg/L mg/Kg	QA/QC %R %RPD
1	0	1/10	0.000	0.000			
2	0.01	0.1/10		0.011	0.997	324	
3	0.05	0.5/10		0.057			
4	0.1	1/10		0.100			
5	ICB	10		0.000			0.000
6	ICV TV=0.0387ppm			0.040	0.040	0.0380	98%
7	MB			0.000	0.000	-0.00173	
8	LCS TV=0.04ppm		↓	0.039	0.039	0.0370	93%
9	1071-15.1		0.001	0.001	0.000	-0.00173	
10	-15.1MS		0.001	0.031	0.030	0.0281	56%*
11	-15.1MSD		0.001	0.030	0.029	0.0271	54%*
12	-16.1		0.000	0.000	0.000	-0.00173	
13	-17.1		0.000	0.003	0.003	0.00125	
14	-18.1		0.000	0.000	0.000	-0.00173	
15	-19.1		0.000	0.000	0.000		
16	-20.1		0.000	0.000	0.000		
17	CCVI		↓	0.041	0.041	0.0390	101%
18	CCBI		↓	0.000	0.000	-0.00173	
19	1071-15.1	2/10	0.000	0.001	0.001	-0.00074	
20	↓ -15.1MS	↓	↓	0.000	0.049	0.049	0.0470 94%

TV=0.05

Comments: * scratched tube

LCS 0.4 ml # 3397 @ 1/10 ↑ 10ml DJ
 MS/MSD 0.5 ml # 3387 @ 1/10 ↑ 10ml DJ

Digested: NA

Prepared by: RW Date/Time: 8/23/06 @ 14:15

Analyzed by: RW Date/Time: 8/23/06 @ 14:25

Reviewed by: SA Date: 8/23/06

44

** Note: MS/MSD OUTSIDE OF CRITERIA. THE DILUTED SAMPLE CONFIRMED ANALYTE WAS NOT BEING SUPPRESSED. THEREFORE, STRAIGHT RUN WILL BE REPORTED & FLAGGED.



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Page 2 of 2

Service Request #: _____ Run #: _____
 STOCK # _____ Prep Run # _____
 ICV/CCV # _____ Conc. H2SO4 Lot#: _____
 Digestion solution(for solids) _____ Coloring Reagent Ref# _____

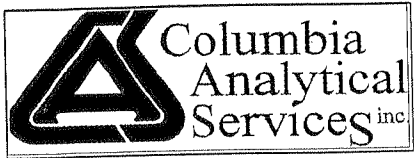
See Page 1

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC	
						mg/L	mg/Kg	%R	%RPD
1	1071-15.1MSD	50	2/10	0.000	0.052	0.052	0.250	100%	
2	CCV2	↓	-	↓	0.057	0.057	wrong		sample read
3	CCB2	↓	-	↓	0.000	0.000	-0.00173		
4	CCV3	↓	-	↓	0.044	0.044	0.0420	100%	
5	CCB3	↓	-	↓	0.000	0.000	-0.00173		
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

SPACE NOT USED

Comments: _____

Digested: NA
 Prepared by: RW Date/Time: 8/23/06 @ 14:15
 Analyzed by: RW Date/Time: 8/23/06 @ 14:38 48
 Reviewed by: SR Date: 8/23/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1071

Run #: 63269

Prep Run #

10ppm STOCK # 3397 @ 1/10 exp 21/10/07
 387 ppb ICV/CCV # 3446 @ 1/10 exp 9/24/06
 Digestion solution (for solids) NA

Conc. H2SO4 Lot#:

EMD 44257 E exp 1/31/08

Coloring Reagent Ref#

3445 exp 9/23/06

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC	
						mg/L	mg/Kg	%R	%RPD
1	0	—	0.000	0.000	} 0.999678				
2	0.01	0.1/10		0.009					
3	0.05	0.5/10		0.050					
4	0.1	1/10		0.105					
5	ICB	10		0.001	0.001	0.0020			
6	ICV TV=0.0387ppm			0.039	0.039	0.0381		98%	
7	MB			0.001	0.001	0.0020			
8	LCS TV=0.04ppm			0.040	0.040	0.0391		98%	
9	1071-21.1			0.001	0.001	0.0020			
10	21.1MS TV=0.05			0.049	0.049	0.0476		95%	RPD
11	21.1MSD ↓			0.053	0.053	0.0514		103%	8%
12	22.1			0.007	0.007	0.0077			
13	23.1			0.006	0.006	0.0068			
14	24.1			0.009	0.009	0.0096			
15	25.1		0.005	0.012	0.007	0.0077			
16	26.1		0.001	0.004	0.003	0.0039			
17	CCV1 TV=0.0387ppm		0.000	0.039	0.039	0.0381		98%	
18	CCB1		↓	0.001	0.001	0.0020			
19	1071-24.1		0.005	0.006	0.001	↓			
20	CCV2 TV=0.0467ppm		0.000	0.042	0.042	0.0409		106%	

Comments: LCS 0.4 ml # 3397 @ 1/10 ↑ 10 ml
MS/MSD 0.6 ml # " "

Note: VISUALLY CONFIRMED TRACE HITS HAD SOME COLOR

Digested: NA
 Prepared by: RW Date/Time: 8/24/06 @ 15:55
 Analyzed by: RW Date/Time: 8/24/06 @ 16:05
 Reviewed by: SW Date: 8/24/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1071

Run #: 63420

Prep Run # —

10 ppm^m STOCK # 3397 @ 1/10 exp 2/1/07

Conc. H2SO4 Lot#: EMD 44232 E exp V3V08

387 ppm ICV/CCV # 3446 @ 1/10 exp 9/29/06

Coloring Reagent Ref# 3445 exp 9/23/06

Digestion solution(for solids) NA

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC	
						mg/L	mg/Kg	%R	%RPD
1	0	—	0.000	0.000	0.000				
2	0.01	0.1/10		0.011	0.011				
3	0.05	0.5/10		0.056	0.056				
4	0.1	1/10		0.105	0.105				
5	ICB	10		0.000	0.000	-0.00083			
6	ICV TV=0.0387ppm			0.044	0.044	0.0409		106%	
7	MB			0.000	0.000	-0.00083			
8	LCS TV=0.04ppm			0.045	0.045	0.0419		105%	
9	1071-28.1			0.001	0.001	0.00012			
10	-28.1 MS 0.0520ppm			0.055	0.055	0.0514		103%	
11	-28.1 MS 0.5ml ↓			0.056	0.056	0.0523		105%	
12	-29.1		0.001	0.002	0.001	0.00012			
13	-30.1		0.000	0.001	0.001	↓			
14	-31.1		0.011	high background					
15	-32.1		0.000	0.001	0.001	0.00012			
16	-33.1			0.001	↓	↓			
17	CCV1 TV=0.0387ppm			0.044	0.044	0.0409		106%	
18	CCB1			0.000	0.000	-0.00083			
19	1071-31.1	5/10	0.008	0.003	0.000	0.0017			
20	CCV2 TV=0.0387ppm	—	0.000	0.043	0.043	0.04		103%	

Comments: CCB2

LCS 0.4 ml # 3397 @ 1/10 ↑ 10 ml

MS/MSD 0.5ml ↓

SAMPLES DID NOT REQUIRE FILTRATION

Digested:

Prepared by: RW Date/Time: 8/25/06 @ 15:17

Analyzed by: RW Date/Time: 8/25/06 @ 15:23

Reviewed by: SR Date: 8/25/06

Miscellaneous Reagents and Standards Log

Std # 3396	Date: 3/2/06	Initial: RW
Source: See Below	Lot#: See Below	
Reagent: Digestion Soln	Test: Cr ⁶⁺ Zc	
Method: 7199	Expiration Date: 4/2/06	

Preparation:

20g NaOH (45043)
+
30g Na₂CO₃ (43353404) ↑ 1L DI H₂O

Std # 3397	Date: 3/2/06	Initial: RW
Source: IV Ref # 3346	Lot#: 3346	
Reagent: 10ppm Cr ⁶⁺ Std	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 2/1/07	

Preparation:

1ml # 3346 ↑ 100ml DI H₂O

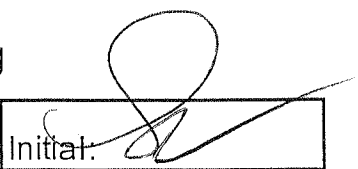
Std # 3398	Date: 3/2/06	Initial: RW
Source: AP6	Lot#: Ref # 3132	
Reagent: ICV/CCV(UV)	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 4/2/06	

Preparation:

0.5ml #3132 ↑ 100ml DI

TV = 485 ppb

Miscellaneous Reagents and Standards Log

Std # 3444	Date: 8/17/06	Initial: 
Source: See below	Lot#: See below	
Reagent: Coloring REAGENT	Test: NO ₂	
Method: 354.1	Expiration Date: 2/17/07	

Preparation:

ADD 37.5ml DI H₂O + 26.25ml CONC HCl + 1.25g Sulfanilamide + 0.125g NED
 + 34.0g Sodium Acetate AND BRING UP TO 125ml w/ DI WATER
 EMD LOT 32-75B26B EXP 10/28/10
 CONC HCl - EMD 45251C EXP 1/15/08
 MADE IN GERMANY
 7921A04592
 EXP 3/24/09
 JT BAKER
 A43623
 EXP 12/7/09

Std # 3445	Date: 8/23/06	Initial: RW
Source: See Below	Lot#: See Below	
Reagent: Coloring Reagent	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 9/23/06	

Preparation:

0.5g 1,5-diphenylcarbohydrazide (34234521 EM)
 dissolved in 100ml Acetone EM 42328

Std # 3446	Date: 8/24/06	Initial: RW
Source: APG	Lot#: 42496	
Reagent: ICV/CCV (UV)	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 9/24/06	

Preparation:

1.0ml # 3426 T 100 ml

TV = 38.2 ppb
 49

Miscellaneous Reagents and Standards Log

Std # 3435	Date: 7/24/06	Initial: RW
Source: See Below	Lot#: See Below	
Reagent: Coloring Reagent	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 8/24/06	

Preparation: 0.25g 1,5-diphenyl carbohydrazide (34234521EM)
dissolved in 50ml Acetone EM 42328

Std # 3436	Date: 7/24/06	Initial: RW
Source: EMD	Lot#: 49251C	
Reagent: 6N HCl	Test: preservative	
Method: NA	Expiration Date: 7/24/07	

Preparation:

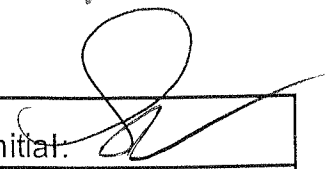
26.0 ml conc HCl ↑ 50ml W/DI

Std # 3437	Date: 8/4/06	Initial: RW
Source: EMD	Lot#: 67941329	
Reagent: ICV/CCV STD	Test: Conductivity	
Method: 120.1	Expiration Date: 8/4/07	

Preparation:

0.7456g KCL T 1L DI H₂O

Miscellaneous Reagents and Standards Log

Std # 3444	Date: 8/17/06	Initial: 
Source: See below	Lot#: See below	
Reagent: Coloring REAGENT	Test: NO ₂	
Method: 354.1	Expiration Date: 2/17/07	

Preparation:

ADD 37.5ml DI H₂O + 26.25ml CONC HCl + 1.25g Sulfanilamide + 0.125g NED
 + 34.0g Sodium Acetate AND BRING UP TO 125ml w/DI WATER
 EMD LOT 3275B26B EXP 10/28/10
 CONC HCl - EMD 45251C EXP 1/15/08
 MADE IN CHINA
 7921A04592
 EXP 3/24/09
 JT BAKER
 A43623
 EXP 12/7/09

Std # 3445	Date: 8/23/06	Initial: RW
Source: See Below	Lot#: See Below	
Reagent: Coloring Reagent	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 9/23/06	

Preparation:

0.5g 1,5-diphenylcarbohydrazide (34234521 EM)
 dissolved in 100ml Acetone EM 42328

Std # 3446	Date: 8/24/06	Initial: RW
Source: APG	Lot#: 42496	
Reagent: ICV/CCV (UV)	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 9/24/06	

Preparation:

1.0ml # 3426 T 100ml
 TV 382 ppb
 51

CAS CSR #L0601095

Table of Contents

Cover Letter.....	1
Acronym List.....	2
Case Narrative.....	3
Sample Cross-Reference.....	4
Chains of Custody.....	5-10
Internal Chains of Custody.....	11-13
Sample Receipt Forms.....	14-18
Hexavalent Chromium Analytical Data	19-39
Hexavalent Chromium Raw Data.....	40-49

September 15, 2006

David Conner
Battelle
3990 Old Town Ave., Suite C-205
San Diego, CA 92110

RE: JPL Groundwater Monitoring 3Q06/Project #G486090/204142

Dear David:

Enclosed are the results of the samples submitted to our laboratory on August 28- September 5, 2006. For your reference, these analyses have been assigned our service request number L0601095.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed. Columbia Analytical Services is not responsible for use of less than the complete report. Your report contains 49 pages.

Columbia Analytical Services is certified for environmental analyses by the NELAP (certificate number: 02115CA), Los Angeles County Laboratory ID (No. 10151) and Arizona Department of Health Services (AZ0694).

If you have any questions, please call me at (805) 577-2086.

Respectfully submitted,

Columbia Analytical Services, Inc.



Sue Anderson
Project Chemist

SA

Columbia Analytical Services, Inc.

Acronyms

8015M	California DHS LUFT Method
ASTM	American Society for Testing and Materials
BOD	Biochemical Oxygen Demand
BTEX	Benzene/Toluene/Ethylbenzene/Xylenes
CAM	California Assessment Metals
CAS Number	Chemical Abstract Service Registry Number
CFC	Chlorofluorocarbon
COD	Chemical Oxygen Demand
CRDL	Contract Required Detection Limit
D	Detected; result must be greater than zero.
DL	Detected; result must be greater than the detection limit.
DLCS	Duplicate Laboratory Control Sample
DMS	Duplicate Matrix Spike
DOH or DHS	Department of Health Services
ELAP	Environmental Laboratory Accreditation Program
EPA	U.S. Environmental Protection Agency
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
IC	Ion Chromatography
ICB	Initial Calibration Blank sample
ICP	Inductively Coupled Plasma atomic emission spectrometry
ICV	Initial Calibration Verification sample
LCS	Laboratory Control Sample
LUFT	Leaking Underground Fuel Tank
M	Modified
MBAS	Methylene Blue Active Substances
MDL	Method Detection Limit
MRL	Method Reporting Limit
MS	Matrix Spike
MTBE	Methyl- <i>tert</i> -Butyl Ether
NA	Not Applicable
NC	Not Calculated
ND	None Detected at or above the Method Reporting/Detection Limit (MRL/MDL)
NTU	Nephelometric Turbidity Units
ppb	Parts Per Billion
ppm	Parts Per Million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RPD	Relative Percent Difference
SIM	Selected Ion Monitoring
SM	<i>Standard Methods for the Examination of Water and Wastewater</i> 18th Ed., 1992.
STLC	Solubility Threshold Limit Concentration
SW	<i>Test Methods for Evaluating Solid Waste, Physical/Chemical Methods</i> SW-846, Third Edition, 1986 and as amended by Updates I, II, IIA, and IIB.
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TPH	Total Petroleum Hydrocarbons
TRPH	Total Recoverable Petroleum Hydrocarbons
TSS	Total Suspended Solids
TTLC	Total Threshold Limit Concentration
VOA	Volatile Organic Analyte(s)

Qualifiers

U	Undetected at or above MDL/MRL (PQL).
J	Estimated concentration. Analyte detected above MDL but below MRL (PQL).
B	Hit above MRL (PQL) also found in Method Blank.
E	Analyte concentration above high point of ICAL.
D	Result from dilution.
X	See case narrative.

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142
Sample Matrix: Water
Service Request No.: L0601095
Date Received: 8/28-9/5/06

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier IV deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

The samples were received for analysis at Columbia Analytical Services on 8/28-9/5/06. No discrepancies were noted upon initial sample inspection. Any exceptions would be noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored at 4°C upon receipt at the laboratory.

Hexavalent Chromium by EPA Method 7196A

The matrix spike recoveries for MW-10 (L0601095-017MS/DMS) analyzed 9/1/06 exceeded the acceptance criteria. The analyte in question was not detected in the associated field samples. The error associated with the elevated recovery equates to a high bias; therefore, the data has not been significantly affected. No further corrective action was required.

The duplicate matrix spike recovery of Hexavalent Chromium for sample MW-6 (L0601095-019DMS) analyzed 9/5/06 was outside the acceptance limits. The matrix spike recovery, Laboratory Control Sample and other method controls were acceptable, which indicated the batch was in control. The data has not been significantly affected by the discrepancy but has been flagged accordingly.

Approved by


3

Date

9/15/06

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
L0601095-001	MW-25-5	08/28/06	08:05
L0601095-002	MW-25-4	08/28/06	08:37
L0601095-003	MW-25-3	08/28/06	09:06
L0601095-004	MW-25-2	08/28/06	09:34
L0601095-005	MW-25-1	08/28/06	10:10
L0601095-006	EB-10-8/28/06	08/28/06	09:55
L0601095-007	MW-26-2	08/29/06	07:56
L0601095-008	MW-26-1	08/29/06	08:32
L0601095-009	EB-11-8/29/06	08/29/06	08:16
L0601095-010	MW-13	08/30/06	09:03
L0601095-011	MW-16	08/30/06	11:17
L0601095-012	DUPE-3-3Q06	08/30/06	00:00
L0601095-013	DUPE-4-3Q06	08/30/06	00:00
L0601095-014	MW-7	08/31/06	08:47
L0601095-015	MW-8	08/31/06	10:47
L0601095-016	DUPE-5-3Q06	08/31/06	00:00
L0601095-017	MW-10	09/01/06	08:42
L0601095-018	MW-5	09/01/06	10:20
L0601095-019	MW-6	09/05/06	10:55
L0601095-020	MW-15	09/05/06	12:22
L0601095-021	DUPE-6-3Q06	09/05/06	00:00
L0601095-022	DUPE-7-3Q06	09/05/06	00:00



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 X02 • FAX (818) 587-5555

PAGE 1 OF 1

CAS Contact

Project Name JPL GW MON 3006		Project Number 6486090 / 204142		ANALYSIS REQUESTED (Include Method Number and Container Preservative) D	
Project Manager DAVID CRANER		Report CC		PRESERVATIVE	
Company/Address BATTELLE		3990 OLD TOWN AVE, STE. C-205 SAN DIEGO, CA 92110		TPH Gas 8015m (purgeable) TPH Diesel 8015m (extractable) BTEX 8021 / 602 Halogenated Volatiles 8260 VOA by GCMS 8260 / 624 SemivOA by GCMS 8270 / 625 Pesticides 8081 / 8082 / 608 PCBs 8081 / 8082 / 608 CCR Metals (17) 6010 / 6020 / 7000 / 2007 / 200.8	
Phone # 619-726-7311		FAX #		Preservative Key 0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other	
Sampler's Signature MARCO MENDOZA		Sampler's Printed Name MARCO MENDOZA		REMARKS/ ALTERNATE DESCRIPTION	
CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	TIME	MATRIX	NUMBER OF CONTAINERS
MW-25-5	1	8/28/06	805	W	1
MW-25-4	2	8/28/06	837	W	1
MW-25-3	3	8/28/06	906	W	1
MW-25-2	4	8/28/06	934	W	1
MW-25-1	5	8/28/06	1010	W	2
EB-10-8/28/06	6	8/28/06	955	W	1
SPECIAL INSTRUCTIONS/COMMENTS					
MS/MSD					
EQUIP. BLANK					
SPECIAL INSTRUCTIONS/COMMENTS		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) PLEASE CIRCLE WORK DAYS 1 2 3 4 <input checked="" type="checkbox"/> STANDARD		REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data MRL Yes ___ No ___ POL/MDL/J Yes ___ No ___ Edata Yes ___ No ___	
RECEIVED BY [Signature]		RECEIVED BY [Signature]		INVOICE INFORMATION PO# 204142 BILL TO: BATTELLE / TOMPKINS 505 KING AVE COLUMBUS, OH 43201 Lab No: 10601095	
RELINQUISHED BY [Signature]		RELINQUISHED BY [Signature]		RELINQUISHED BY	
Signature MARCO MENDOZA		Signature [Signature]		Signature	
Printed Name MARCO MENDOZA		Printed Name [Signature]		Printed Name	
Firm GEOS		Firm CAS		Firm	
Date/Time 8/28/06 1158		Date/Time 8/28/06 1255		Date/Time	
CUSTODY SEALS: Y N		CUSTODY SEALS: Y N		CUSTODY SEALS: Y N	
RECEIVED BY [Signature]		RECEIVED BY [Signature]		RECEIVED BY [Signature]	
RELINQUISHED BY [Signature]		RELINQUISHED BY [Signature]		RELINQUISHED BY [Signature]	
Signature [Signature]		Signature [Signature]		Signature	
Printed Name [Signature]		Printed Name [Signature]		Printed Name	
Firm [Signature]		Firm [Signature]		Firm	
Date/Time [Signature]		Date/Time [Signature]		Date/Time	



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

CAS Contact

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

PAGE 1 OF 1

Project Name: JPL GW Mon. 3006 Project Number: CA486090/204142
 Project Manager: DAVID CONNER Report CC:
 Company/Address: BATTELLE
3990 OLD TOWN AVE., C-205
SAN DIEGO, CA 92110
 Phone #: 619-726-7311 FAX#:
 Sampler's Signature: MARCO MENDOZA Sampler's Printed Name: MARCO MENDOZA

CLIENT SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	ANALYSIS REQUESTED (Include Method Number and Container Preservative)		PRESERVATIVE	NUMBER OF CONTAINERS	REMARKS/ ALTERNATE DESCRIPTION
					8015m (purgeable) TFH Gas 8015m (extractable) Fuel Char. 8015m (purgeable) TFH Diesel 8015m (extractable) Fuel Char. 8021 / 602 BTEX 8021 / 602 MTBE 8260 Halogenated Volatiles 8260 VOA by GCMS 8260 / 624 Semivolatile by GCMS 8270 / 625 Pesticides 8081 / 8082 / 608 PCBs 8081 / 8082 / 7000 / 2007 / 2008 CCR Metals (17) 6010 / 6020 / 7000 / 2007 / 2008 (7196)	8015m (purgeable) TFH Gas 8015m (extractable) Fuel Char. 8021 / 602 BTEX 8021 / 602 MTBE 8260 Halogenated Volatiles 8260 VOA by GCMS 8260 / 624 Semivolatile by GCMS 8270 / 625 Pesticides 8081 / 8082 / 608 PCBs 8081 / 8082 / 7000 / 2007 / 2008 (7196)			
MW-13	10	8/30/06	903	W					
MW-16	11	1117							LEVEL III QL
DUPE-3-3006	12								DUPLICATE
DUPE-4-3006	13								DUPLICATE

SPECIAL INSTRUCTIONS/COMMENTS

TURNAROUND REQUIREMENTS (SURCHARGES APPLY)
 RUSH (SURCHARGES APPLY)
 PLEASE CIRCLE WORK DAYS: 1 2 3 4
 STANDARD
 REQUESTED FAX DATE: _____
 REQUESTED REPORT DATE: _____

REPORT REQUIREMENTS
 I. Results Only _____
 II. Results + QC Summaries (LCS, DUP, MS/MSD as required) _____
 III. Results + QC and Calibration Summaries _____
 IV. Data Validation Report with Raw Data _____
 MRL Yes ___ No ___
 PQL/MDL/J Yes ___ No ___
 Edata Yes ___ No ___

INVOICE INFORMATION
 TO# 204142
 BILL TO: BATTELLE / GONALD
505 KING AVE
COLUMBUS, OH 43601
 Lab No: 10601095

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____
 RELINQUISHED BY: _____ RECEIVED BY: _____
 Signature: MARCO MENDOZA Signature: [Signature]
 Printed Name: MARCO MENDOZA Printed Name: [Signature]
 Firm: CAS Firm: CAS
 Date/Time: 8/30/06 1228 Date/Time: 8/30/06 1320

CUSTODY SEALS: Y N
 RELINQUISHED BY: _____ RECEIVED BY: _____
 Signature: [Signature] Signature: [Signature]
 Printed Name: [Signature] Printed Name: [Signature]
 Firm: [Signature] Firm: [Signature]
 Date/Time: [Signature] Date/Time: 8/30/06 1320



CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

6925 Canoga Ave. • Canoga Park, CA 91303 • (818) 587-5550 • 800-695-7222 x02 • FAX (818) 587-5555

PAGE 1 OF 1

CAS Contact

Project Name JPL GW Mon 3006 Project Number 648090 / 254142 Project Manager DAVID CONNER Report CC Company/Address BATELLE 3940 OLD TOWN AVE, C-205 SAN DIEGO, CA 92110 Phone # 619-716-7311 FAX # Sampler's Signature <i>[Signature]</i> Sampler's Printed Name MARCO MENDOZA		ANALYSIS REQUESTED (Include Method Number and Container Preservative) TPB Gas 8015m (burgable) TPB Diesel 8015m (extractable) BTEX 8021 MTBE Halogenated Volatiles 8260 VOA by GCMS 8260 Oxygenates 8270 SemVOA by GCMS 8081 PCBs 8082 Pesticides 8082 CCR Metals 17 6010 6020 7000 2007 2008 (196)	
PRESERVATIVE TPB Gas 8015m (burgable) TPB Diesel 8015m (extractable) BTEX 8021 MTBE Halogenated Volatiles 8260 VOA by GCMS 8260 Oxygenates 8270 SemVOA by GCMS 8081 PCBs 8082 Pesticides 8082 CCR Metals 17 6010 6020 7000 2007 2008 (196)		NUMBER OF CONTAINERS 1	
CLIENT SAMPLE ID MW-6 MW-15 DUPE-6-3006 DUPE-7-3006		SAMPLING DATE 9/5/06 1055 1722 1722	
LAB ID 19 20 21 22		MATRIX W 	
SPECIAL INSTRUCTIONS/COMMENTS LEVEL IV QC DUPLICATE DUPLICATE			
RECEIVED BY <i>[Signature]</i> Signature MARCO MENDOZA Printed Name MARCO MENDOZA Firm CASS Date/Time 9/5/06 1325		RECEIVED BY <i>[Signature]</i> Signature V. JENSEN Printed Name V. JENSEN Firm CASS Date/Time 9/5/06 1405	
RECEIVED BY <i>[Signature]</i> Signature BATELLE / GEMALD Printed Name BATELLE / GEMALD Firm 505 KING AVE Date/Time COLUMBUS, OH 43201 Lab No: W601095		RECEIVED BY RECEIVED BY	
REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data MRL Yes ___ No ___ PQL/MDL/J Yes ___ No ___ Etrial Yes ___ No ___		REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data MRL Yes ___ No ___ PQL/MDL/J Yes ___ No ___ Etrial Yes ___ No ___	
TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) PLEASE CIRCLE WORK DAYS 1 2 3 4 <input checked="" type="checkbox"/> STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) PLEASE CIRCLE WORK DAYS 1 2 3 4 <input checked="" type="checkbox"/> STANDARD REQUESTED FAX DATE REQUESTED REPORT DATE	

Columbia Analytical Services, Inc.

Chain of Custody Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601095-001.01	08/28/2006	1304	SMO / LKUKITA	
	08/28/2006	1338	L-020 / SANDERSON	
	08/28/2006	1407	In Lab / SANDERSON	
	08/28/2006	1717	L-020 / SANDERSON	
L0601095-002.01	08/28/2006	1304	SMO / LKUKITA	
	08/28/2006	1338	L-020 / SANDERSON	
	08/28/2006	1407	In Lab / SANDERSON	
	08/28/2006	1717	L-020 / SANDERSON	
L0601095-003.01	08/28/2006	1304	SMO / LKUKITA	
	08/28/2006	1338	L-020 / SANDERSON	
	08/28/2006	1407	In Lab / SANDERSON	
	08/28/2006	1717	L-020 / SANDERSON	
L0601095-004.01	08/28/2006	1304	SMO / LKUKITA	
	08/28/2006	1338	L-020 / SANDERSON	
	08/28/2006	1407	In Lab / SANDERSON	
	08/28/2006	1717	L-020 / SANDERSON	
L0601095-005.01	08/28/2006	1304	SMO / LKUKITA	
	08/28/2006	1338	L-020 / SANDERSON	
	08/28/2006	1407	In Lab / SANDERSON	
	08/28/2006	1717	L-020 / SANDERSON	
L0601095-005.02	08/28/2006	1312	SMO / LKUKITA	
	08/28/2006	1338	L-020 / SANDERSON	
	08/28/2006	1407	In Lab / SANDERSON	
	08/28/2006	1717	L-020 / SANDERSON	
L0601095-006.01	08/28/2006	1304	SMO / LKUKITA	
	08/28/2006	1338	L-020 / SANDERSON	
	08/28/2006	1407	In Lab / SANDERSON	
	08/28/2006	1717	L-020 / SANDERSON	
L0601095-007.01	08/29/2006	1058	SMO / LKUKITA	
	08/29/2006	1150	In Lab / RWONG	
	08/29/2006	1757	L-020 / RWONG	
L0601095-008.01	08/29/2006	1058	SMO / LKUKITA	
	08/29/2006	1150	In Lab / RWONG	
	08/29/2006	1757	L-020 / RWONG	
L0601095-008.02	08/29/2006	1141	SMO / LKUKITA	

Columbia Analytical Services, Inc.

Chain of Custody Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601095-008.02	08/29/2006	1150	In Lab / RWONG	
	08/29/2006	1150	L-020 / RWONG	
L0601095-009.01	08/29/2006	1058	SMO / LKUKITA	
	08/29/2006	1150	In Lab / RWONG	
	08/29/2006	1757	L-020 / RWONG	
L0601095-010.01	08/30/2006	1324	SMO / LKUKITA	
	08/30/2006	1344	L-020 / SANDERSON	
	08/30/2006	1357	In Lab / SANDERSON	
	08/31/2006	0805	L-020 / SANDERSON	
L0601095-011.01	08/30/2006	1324	SMO / LKUKITA	
	08/30/2006	1344	L-020 / SANDERSON	
	08/30/2006	1358	In Lab / SANDERSON	
	08/31/2006	0805	L-020 / SANDERSON	
L0601095-012.01	08/30/2006	1324	SMO / LKUKITA	
	08/30/2006	1344	L-020 / SANDERSON	
	08/30/2006	1358	In Lab / SANDERSON	
	08/31/2006	0805	L-020 / SANDERSON	
L0601095-013.01	08/30/2006	1324	SMO / LKUKITA	
	08/30/2006	1344	L-020 / SANDERSON	
	08/30/2006	1358	In Lab / SANDERSON	
	08/31/2006	0805	L-020 / SANDERSON	
L0601095-014.01	08/31/2006	1254	SMO / LKUKITA	
	08/31/2006	1403	L-020 / SANDERSON	
	08/31/2006	1435	In Lab / RWONG	
	08/31/2006	1938	L-020 / RWONG	
L0601095-015.01	08/31/2006	1254	SMO / LKUKITA	
	08/31/2006	1403	L-020 / SANDERSON	
	08/31/2006	1435	In Lab / RWONG	
	08/31/2006	1938	L-020 / RWONG	
L0601095-016.01	08/31/2006	1254	SMO / LKUKITA	
	08/31/2006	1403	L-020 / SANDERSON	
	08/31/2006	1435	In Lab / RWONG	
	08/31/2006	1938	L-020 / RWONG	
L0601095-017.01	09/01/2006	1140	SMO / LKUKITA	
	09/01/2006	1232	L-020 / SANDERSON	

Columbia Analytical Services, Inc.

Chain of Custody Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095

Bottle ID	Date	Time	Sample Location / User	Disposed On
L0601095-017.01	09/01/2006	1321	In Lab / RWONG	
	09/01/2006	1351	L-020 / RWONG	
L0601095-017.02	09/01/2006	1141	SMO / LKUKITA	
	09/01/2006	1232	L-020 / SANDERSON	
	09/01/2006	1321	In Lab / RWONG	
	09/01/2006	1351	L-020 / RWONG	
L0601095-018.01	09/01/2006	1140	SMO / LKUKITA	
	09/01/2006	1232	L-020 / SANDERSON	
	09/01/2006	1321	In Lab / RWONG	
	09/01/2006	1351	L-020 / RWONG	
L0601095-019.01	09/05/2006	1408	SMO / SANDERSON	
	09/05/2006	1412	L-020 / SANDERSON	
	09/05/2006	1454	In Lab / RWONG	
	09/05/2006	1549	L-020 / RWONG	
L0601095-020.01	09/05/2006	1408	SMO / SANDERSON	
	09/05/2006	1412	L-020 / SANDERSON	
	09/05/2006	1454	In Lab / RWONG	
	09/05/2006	1549	L-020 / RWONG	
L0601095-021.01	09/05/2006	1408	SMO / SANDERSON	
	09/05/2006	1412	L-020 / SANDERSON	
	09/05/2006	1454	In Lab / RWONG	
	09/05/2006	1549	L-020 / RWONG	
L0601095-022.01	09/05/2006	1408	SMO / SANDERSON	
	09/05/2006	1412	L-020 / SANDERSON	
	09/05/2006	1454	In Lab / RWONG	
	09/05/2006	1549	L-020 / RWONG	

SAMPLE RECEIPT FORM

Service Request No: L0601095 Client: BATTELLE

Sample(s) delivered by: Client CAS Emp After Hours DHL
Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

- | | | | | | |
|------|----------------------------------|--------------------------------|------------------------------------------|------------------------------------|-------------------------------------|
| ASAP | Res Cl <input type="checkbox"/> | D.O <input type="checkbox"/> | Flash <input type="checkbox"/> | Diss S2- <input type="checkbox"/> | Ferrous Fe <input type="checkbox"/> |
| 24HR | pH <input type="checkbox"/> | Odor <input type="checkbox"/> | Cr+6 <input checked="" type="checkbox"/> | | |
| 48HR | BOD <input type="checkbox"/> | Color <input type="checkbox"/> | MBAS <input type="checkbox"/> | Nitrate <input type="checkbox"/> | |
| | Nitrite <input type="checkbox"/> | O-PO4 <input type="checkbox"/> | Sett Sol <input type="checkbox"/> | Turbidity <input type="checkbox"/> | |
| 72HR | Vapors <input type="checkbox"/> | | | | |

Notified SUE Date & Time _____

Container(s) received and their preservative(s):

-1 → -4, -6 = 1-125ml PL(NP)
-5 = 2-125ml PL(NP)

Comments MS/MSD ON -5

Initials, Date, Time LK 8/28/06 1321 14 Jan 8/28/06
r:\sr_forms\cooler.doc Rev. 2/25/02

SAMPLE RECEIPT FORM

Service Request No: L0601095 Client: BATTELLE

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl <input type="checkbox"/>	D.O <input type="checkbox"/>	Flash <input checked="" type="checkbox"/>	Diss S2- <input type="checkbox"/>	Ferrous Fe <input type="checkbox"/>
24HR	pH <input type="checkbox"/>	Odor <input type="checkbox"/>	Cr+6 <input checked="" type="checkbox"/>		
48HR	BOD <input type="checkbox"/>	Color <input type="checkbox"/>	MBAS <input type="checkbox"/>	Nitrate <input type="checkbox"/>	
	Nitrite <input type="checkbox"/>	O-PO4 <input type="checkbox"/>	Sett Sol <input type="checkbox"/>	Turbidity <input type="checkbox"/>	
72HR	Vapors <input type="checkbox"/>				

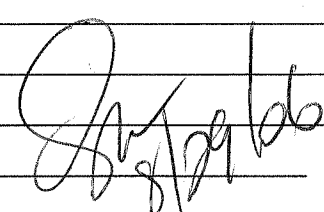
Notified SUE Date & Time 8/29/06 1123

Container(s) received and their preservative(s):

-7 & -9 = 1-125ml PI(NP)

-8 = 2-125ml PI (NP)

Comments _____

_____ 

Initials, Date, Time LE 8/29/06 1124

SAMPLE RECEIPT FORM

Service Request No: L060 1095 Client: BATTELLE

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # -TB-

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified Date & Time

Short Hold-Time Analysis (check all that apply)

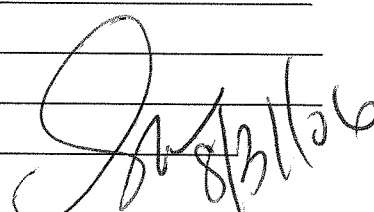
- | | | | | | |
|-------------|----------------------------------|--------------------------------|------------------------------------------|------------------------------------|-------------------------------------|
| ASAP | Res Cl <input type="checkbox"/> | D.O <input type="checkbox"/> | Flash <input type="checkbox"/> | Diss S2- <input type="checkbox"/> | Ferrous Fe <input type="checkbox"/> |
| 24HR | pH <input type="checkbox"/> | Odor <input type="checkbox"/> | Cr+6 <input checked="" type="checkbox"/> | | |
| 48HR | BOD <input type="checkbox"/> | Color <input type="checkbox"/> | MBAS <input type="checkbox"/> | Nitrate <input type="checkbox"/> | |
| | Nitrite <input type="checkbox"/> | O-PO4 <input type="checkbox"/> | Sett Sol <input type="checkbox"/> | Turbidity <input type="checkbox"/> | |
| 72HR | Vapors <input type="checkbox"/> | | | | |

Notified SUE Date & Time 8/31/06 1250

Container(s) received and their preservative(s):

-14 → -15 = (-125 ml PI (NP))

Comments _____

Initials, Date, Time UK 8/31/06 1307  r:\sr_forms\cooler.doc Rev. 2/25/02

SAMPLE RECEIPT FORM

Service Request No: L060 1095 Client: BATTELLE

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl <input type="checkbox"/>	D.O <input type="checkbox"/>	Flash <input checked="" type="checkbox"/>	Diss S2- <input type="checkbox"/>	Ferrous Fe <input type="checkbox"/>
24HR	pH <input type="checkbox"/>	Odor <input type="checkbox"/>	Cr+6 <input checked="" type="checkbox"/>		
48HR	BOD <input type="checkbox"/>	Color <input type="checkbox"/>	MBAS <input type="checkbox"/>	Nitrate <input type="checkbox"/>	
	Nitrite <input type="checkbox"/>	O-PO4 <input type="checkbox"/>	Sett Sol <input type="checkbox"/>	Turbidity <input type="checkbox"/>	
72HR	Vapors <input type="checkbox"/>				

Notified SUE Date & Time 9/11/06 1144

Container(s) received and their preservative(s):

-17 = 2 - 125ml PI (NP)
-18 = 1 - 125ml PI (NP)

Comments _____

Initials, Date, Time LF 9/11/06 1142

[Signature]
9/11/06

SAMPLE RECEIPT FORM

Service Request No: L0601095 Client: BATTELLE

Sample(s) delivered by: Client CAS Emp After Hours DHL

Golden State Overnight Fed X UPS Other Courier

Chain of Custody filled out accurately? Yes No (See Comments)

Appropriate sample volume and containers? Yes No (See Comments)

Sufficient labeling on container(s)? Yes No (See Comments)

Container(s) supplied by CAS? Yes No (See Comments)

Custody seal(s) intact? N/A Yes No (See Comments)

Trip Blank(s) received Yes No

If Trip Blank was supplied by CAS, record serial # _____ -TB- _____

Temperature of sample(s)/cooler 3 °C Temp Blank? Y or N (Circle One)

Voa's Marked Preserved? Yes No Filled Properly? Yes No (See Comments)

Preserved Bottles Requiring pH check(s)? Yes Appropriate Preservation? Yes No

RUSH Turn around time? Yes Notified _____ Date & Time _____

Short Hold-Time Analysis (check all that apply)

ASAP	Res Cl <input type="checkbox"/>	D.O <input type="checkbox"/>	Flash <input type="checkbox"/>	Diss S2- <input type="checkbox"/>	Ferrous Fe <input type="checkbox"/>
24HR	pH <input type="checkbox"/>	Odor <input type="checkbox"/>	Cr+6 <input checked="" type="checkbox"/>		
48HR	BOD <input type="checkbox"/>	Color <input type="checkbox"/>	MBAS <input type="checkbox"/>	Nitrate <input type="checkbox"/>	
	Nitrite <input type="checkbox"/>	O-PO4 <input type="checkbox"/>	Sett Sol <input type="checkbox"/>	Turbidity <input type="checkbox"/>	
72HR	Vapors <input type="checkbox"/>				

Notified ROGER Date & Time 9/5/06 1430

Container(s) received and their preservative(s):

19-22 = 1-125ml p1(NP)

Comments _____

Initials, Date, Time Jme 9/5/06 1410 r:\sr_forms\cooler.doc Rev. 2/25/02

DIVIDER SHEET

ANALYTICAL DATA
FOR

Hexavalent Chromium

ANALYSIS

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601095
Date Collected : 08/28-09/05/06
Date Received : 08/28-09/05/06

Chromium, Hexavalent

Prep Method : None
 Analysis Method : 7196A
 Test Notes :

Units : mg/L (ppm)
 Basis : NA

Sample Name	Lab Code	PQL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
MW-25-5	L0601095-001	0.01	0.003	1	NA	08/28/06	ND	
MW-25-4	L0601095-002	0.01	0.003	1	NA	08/28/06	ND	
MW-25-3	L0601095-003	0.01	0.003	1	NA	08/28/06	ND	
MW-25-2	L0601095-004	0.01	0.003	1	NA	08/28/06	ND	
MW-25-1	L0601095-005	0.01	0.003	1	NA	08/28/06	ND	
EB-10-8/28/06	L0601095-006	0.01	0.003	1	NA	08/28/06	ND	
MW-26-2	L0601095-007	0.01	0.003	1	NA	08/29/06	ND	
MW-26-1	L0601095-008	0.01	0.003	1	NA	08/29/06	ND	
EB-11-8/29/06	L0601095-009	0.01	0.003	1	NA	08/29/06	ND	
MW-13	L0601095-010	0.01	0.003	1	NA	08/30/06	0.008	J
MW-16	L0601095-011	0.01	0.003	1	NA	08/30/06	ND	
DUPE-3-3Q06	L0601095-012	0.01	0.003	1	NA	08/30/06	0.008	J
DUPE-4-3Q06	L0601095-013	0.01	0.003	1	NA	08/30/06	ND	
MW-7	L0601095-014	0.01	0.003	1	NA	08/31/06	ND	
MW-8	L0601095-015	0.01	0.003	1	NA	08/31/06	ND	
DUPE-5-3Q06	L0601095-016	0.01	0.003	1	NA	08/31/06	ND	
MW-10	L0601095-017	0.01	0.003	1	NA	09/01/06	ND	
MW-5	L0601095-018	0.01	0.003	1	NA	09/01/06	ND	
MW-6	L0601095-019	0.01	0.003	1	NA	09/05/06	ND	
MW-15	L0601095-020	0.01	0.003	1	NA	09/05/06	ND	
DUPE-6-3Q06	L0601095-021	0.01	0.003	1	NA	09/05/06	ND	
DUPE-7-3Q06	L0601095-022	0.01	0.003	1	NA	09/05/06	ND	
Method Blank	L0601095-MB	0.01	0.003	1	NA	08/28/06	ND	
Method Blank	L0601095-MB	0.01	0.003	1	NA	08/29/06	ND	
Method Blank	L0601095-MB	0.01	0.003	1	NA	08/30/06	ND	
Method Blank	L0601095-MB	0.01	0.003	1	NA	08/31/06	ND	
Method Blank	L0601095-MB	0.01	0.003	1	NA	09/01/06	ND	
Method Blank	L0601095-MB	0.01	0.003	1	NA	09/05/06	ND	

J Estimated concentration. The result is less than the PQL but greater than the MDL.

Approved By 
 20

Date : 9/15/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 8/28/2006

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND

Approved By:



Date:

9/15/06

ICCBMDL/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 8/28/2006

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0376	97
CCV1	0.0387	0.0366	95

Approved By: _____
CCV1A/120594



Date: _____

9/15/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601095
Date Collected : NA
Date Received : NA
Date Extracted : NA
Date Analyzed : 08/28/06

Laboratory Control Sample Summary
 Inorganic Parameters

Sample Name : Laboratory Control Sample
Lab Code : L0601095-LCS
Test Notes :

Units : mg/L (ppm)
Basis : NA

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS	Result Notes
						Percent Recovery Acceptance Limits	
Chromium, Hexavalent	None	7196A	0.0400	0.0415	104	90-110	
Chromium, Hexavalent	None	7196A	0.0400	0.0400	100	90-110	
Chromium, Hexavalent	None	7196A	0.0400	0.0385	96	90-110	
Chromium, Hexavalent	None	7196A	0.0400	0.0398	100	90-110	
Chromium, Hexavalent	None	7196A	0.0400	0.0413	103	90-110	
Chromium, Hexavalent	None	7196A	0.0400	0.0413	103	90-110	

Approved By

[Signature]

23

Date :

9/15/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601095
Date Collected : 08/28/06
Date Received : 08/28/06
Date Extracted : NA
Date Analyzed : 08/28/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-25-1 Units : mg/L (ppm)
 Lab Code : L0601095-005MS L0601095-005DMS Basis : NA
 Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0512	0.0512	102	102	85-115	<1	

Approved By



Date :

9/15/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 8/29/2006

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND

Approved By: _____



Date: _____

9/15/06

ICCBMDL/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

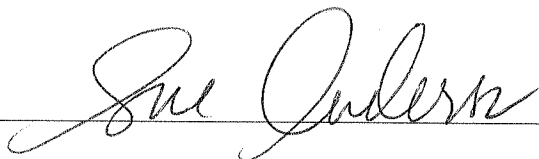
Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 8/29/2006

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0374	97
CCV1	0.0387	0.0391	101

Approved By:



Date:

9/15/06

CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
Project Name : JPL Groundwater Monitoring 3Q06
Project Number : G486090/204142
Sample Matrix : WATER

Service Request : L0601095
Date Collected : 08/29/06
Date Received : 08/29/06
Date Extracted : NA
Date Analyzed : 08/29/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-26-1 Units : mg/L (ppm)
 Lab Code : L0601095-008MS L0601095-008DMS Basis : NA
 Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0506	0.0514	101	103	85-115	2	

Approved By

Jane Juleta

Date :

9/15/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 8/30/2006

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND

Approved By: _____



Date: _____

9/15/06

ICCBMDL/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report


Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 8/30/2006

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0395	102
CCV1	0.0387	0.0385	99

Approved By:



Date:

9/15/06

CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
 Project Name : JPL Groundwater Monitoring 3Q06
 Project Number : G486090/204142
 Sample Matrix : WATER

Service Request : L0601095
 Date Collected : 08/30/06
 Date Received : 08/30/06
 Date Extracted : NA
 Date Analyzed : 08/30/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-16 Units : mg/L (ppm)
 Lab Code : L0601095-011MS L0601095-011DMS Basis : NA
 Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0454	0.0474	91	95	85-115	4	

Approved By



Date :

9/15/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

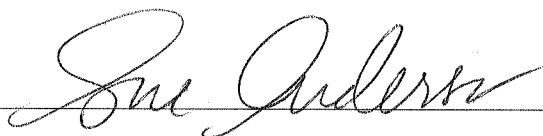
Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 8/31/2006

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND

Approved By: _____



Date: _____

9/15/06

ICCBMDL/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 8/31/2006

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0389	101
CCV1	0.0387	0.0398	103

Approved By:



Date:

9/15/06

CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
 Project Name : JPL Groundwater Monitoring 3Q06
 Project Number : G486090/204142
 Sample Matrix : WATER

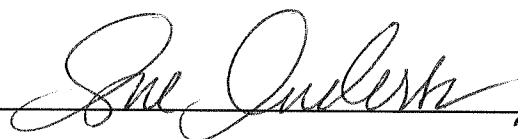
Service Request : L0601095
 Date Collected : 08/31/06
 Date Received : 08/31/06
 Date Extracted : NA
 Date Analyzed : 08/31/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-7 Units : mg/L (ppm)
 Lab Code : L0601095-014MS L0601095-014DMS Basis : NA
 Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0495	0.0504	99	101	85-115	<1	

Approved By



Date :

9/15/06

COLUMBIA ANALYTICAL SERVICES, INC.

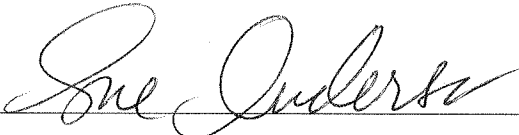
QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 9/1/2006

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND

Approved By:  Date: 9/15/06
ICCBMDL/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 9/1/2006

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0396	102
CCVI	0.0387	0.0396	102

Approved By: _____



Date: _____

9/15/06

CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
 Project Name : JPL Groundwater Monitoring 3Q06
 Project Number : G486090/204142
 Sample Matrix : WATER

Service Request : L0601095
 Date Collected : 09/01/06
 Date Received : 09/01/06
 Date Extracted : NA
 Date Analyzed : 09/01/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-10 Units : mg/L (ppm)
 Lab Code : L0601095-017MS L0601095-017DMS Basis : NA
 Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0690	0.0699	138	140	85-115	1	M1A

M1A MS/DMS outside of acceptance limits. The LCS was acceptable; therefore, data was approved.

Approved By 

Date : 9/15/06

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 9/5/2006

Title: Initial and Continuing Calibration Blank (ICB and CCB) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	PQL	MDL	Result
ICB	0.01	0.003	ND
CCB1	0.01	0.003	ND

Approved By:



Date:

9/15/06

ICCBMDL/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Battelle
Project: JPL Groundwater Monitoring 3Q06/G486090/204142

Service Request: L0601095
Date Analyzed: 9/5/2006

Title: Initial and Continuing Calibration Verification (ICV and CCV) Summary
Analyte: Chromium, Hexavalent
Method: 7196A
Units: mg/L (ppm)

Sample Name	True Value	Result	Percent Recovery
ICV	0.0387	0.0370	96
CCV1	0.0387	0.0378	98

Approved By:



Date:

9/15/06

CCV1A/120594

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : Battelle
 Project Name : JPL Groundwater Monitoring 3Q06
 Project Number : G486090/204142
 Sample Matrix : WATER


Service Request : L0601095
 Date Collected : 09/05/06
 Date Received : 09/05/06
 Date Extracted : NA
 Date Analyzed : 09/05/06

Matrix Spike/Duplicate Matrix Spike Summary

Sample Name : MW-6 Units : mg/L (ppm)
 Lab Code : L0601095-019MS L0601095-019DMS Basis : NA
 Test Notes :

Analyte	Prep Method	Analysis Method	PQL	Spike Level		Sample Result	Spike Result		Spike Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Chromium, Hexavalent	None	7196A	0.01	0.0500	0.0500	ND	0.0430	0.0413	86	83	85-115	4	M1A

M1A DMS outside of acceptance limits. The LCS was acceptable; therefore, data was approved.

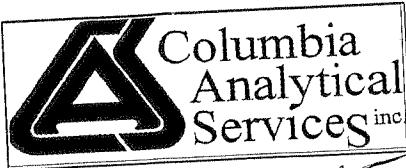
Approved By  Date : 9/15/06

DIVIDER SHEET

RAW DATA FOR

Hexavalent Chromium

ANALYSIS



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1095

Run #: 63592
 Prep Run #: NA

T.V. = 100ppm
 T.V. = 38.7ppm

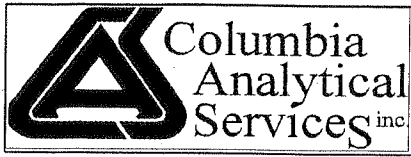
STOCK # 3397 @ 1/10 EXP: 2/1/07 Conc. H2SO4 Lot#: EMD LOT # 44257E
 ICV/CCV # 3446 @ 1/10 EXP: 9/24/06 Coloring Reagent Ref# 3445 EXP: 9/23/06

Digestion solution (for solids) 0.5% DICK @ 1/10

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results mg/L mg/Kg	QA/QC %R %RPD
1	0	-	0.000	0.000	0.000		
2	0.01	-	0.006	0.010	0.010	} CC = 0.999474	
3	0.05	-	0.000	0.054	0.054		
4	0.1	-	0.000	0.102	0.102		
5	ICB	10 ml	0.000	0.000	0.000		-0.000456
6	ICV T.V. = 0.0357 PPM	-	0.000	0.039	0.039	0.0376	97%
7	MB	-	0.000	0.000	0.000	-0.000456	
8	LCS T.V. = 0.0400 PPM	-	0.000	0.043	0.043	0.0415	104%
9	1095-1.01	-	0.001	0.001	0.000	-0.000456	
10	-2.01	-	0.000	0.000	0.000	-0.000456	
11	-3.01	-	0.002	0.003	0.001	0.000519	
12	-4.01	-	0.001	0.001	0.000	-0.000456	
13	-5.01	-	0.003	0.003	0.000	-0.000456	
14	-5.01 MS 0.0500 PPM	-	0.003	0.056	0.053	0.0512	100% RPD
15	-5.01 MS D	-	0.003	0.056	0.053	0.0512	100% RPD
16	-6.01	-	0.000	0.000	0.000	-0.000456	
17	BCV T.V. = 0.0357 PPM	-	0.000	0.038	0.038	0.0366	95%
18	CCB	-	0.000	0.000	0.000	-0.000456	
19							
20							

Comments: LCS - 0.4 ml #3397 @ 1/10 10 ml w/di
MS/MSD - 0.5 ml #3397 @ 1/10 10 ml w/sample.

Digested: NA
 Prepared by: [Signature] Date/Time: 8/28/06 @ 11:30
 Analyzed by: [Signature] Date/Time: 8/28/06 @ 16:057
 Date: 8/29/06 @ 09:20



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1095

Run #: 63665

Prep Run #

10ppm STOCK # 3397 @ 1/10 exp 2/1/07

Conc. H2SO4 Lot#: EMD # 44257E

387ppb ICV/CCV # 3446 @ 1/10 exp 9/24/06

Coloring Reagent Ref# 3445 exp 9/23/06

Digestion solution(for solids) NA

	Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC	
							mg/L	mg/Kg	%R	%RPD
1	0	1/10	—	0.000	0.000	0.999908				
2	0.01	0.1/10			0.010					
3	0.05	0.5/10			0.057					
4	0.1	1/10			0.113					
5	ICB	10				0.000	0.000	0.00043		
6	ICV TV=0.0387ppm				0.042	0.042	0.0374	97%		
7	MB				0.000	0.000	0.00043			
8	LCS TV=0.04ppm				0.045	0.045	0.04	100%		
9	1095-7.1				0.000	0.000	0.00043			
10	-8.1				0.002	0.002	0.0022			
11	-8.1MS				0.057	0.057	0.0506	101%		
12	-8.1MSD				0.058	0.058	0.0514	103%		RPD 2%
13	-9.1				0.001	0.001	0.0013			
14	CCV1 TV=0.0387ppm				0.044	0.044	0.0391	101%		
15	CCB1				0.000	0.000	0.00043			
16										
17										
18			SPACE NOT USED							
19										
20										

TV=0.05 ppm

TV=0.0387 ppm

Comments:

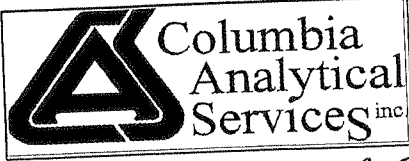
LCS 0.4 ml # 3397 @ 1/10 ↑ 10ml w/DI
 MS/MSD 0.5 ml ↓ ↑ 10ml w/sample

Digested: NA

Prepared by: RW Date/Time: 8/29/06 @ 16:55

Analyzed by: RW Date/Time: 8/29/06 @ 17:05 4259

Reviewed by: JS Date: 8/29/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1095

Run #: 63843
 Prep Run #: NA

10 ppm STOCK # 3397 @ 1/10 EXP: 2/1/07 Conc. H2SO4 Lot#: EMD LOT #44257E EXP 11/31/08

337 ppm ICV/CCV # 3446 @ 1/10 EXP 9/24/06 Coloring Reagent Ref# 3445 EXP 9/23/06

Digestion solution (for solids) NA
 of 3397 @ 1/10

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results		QA/QC	
						mg/L	mg/Kg	%R	%RPD
1	0	—	0.000	0.000	0.000				
2	0.01	—	0.000	0.010	0.010				
3	0.05	—	0.000	0.050	0.050				
4	0.10	—	0.000	0.102	0.102				
5	ICB 10 ml	—	0.000	0.000	0.000	0.000269			
6	ICV $T.N = 0.0387 \text{ ppm}$	—	0.000	0.040	0.040	0.0395		102%	
7	MB	—	0.000	0.000	0.000	0.000269			
8	LCS 0.04 ppm	—	0.000	0.039	0.039	0.0385		96%	
9	1095-10.01	—	0.000	0.008	0.008	0.00812			
10	-11.01	—	0.000	0.002	0.002	0.00223			
11	-11.01 MS 0.0500 ppm	—	0.000	0.046	0.046	0.0454		91%	2.4%
12	-11.01 MS	—	0.000	0.048	0.048	0.0474		95%	5.1% RPD
13	-12.01	—	0.000	0.008	0.008	0.00812			
14	-13.01	—	0.000	0.002	0.002	0.00223			
15	CCV 0.0387 ppm	—	0.000	0.039	0.039	0.0385		99%	
16	CCB1	—	0.000	0.000	0.000	0.000269			
17									
18									
19									
20									

Comments: LCS : 0.4 ml REF # 3397 @ 1/10 UP TO 10 ml w/ DI WATER
MS/MSD : 0.5 ml REF # 3397 @ 1/10 UP TO 10 ml w/ SAMPLE

Digested: NA
 Prepared by: [Signature] Date/Time: 8/30/06 @ 1645
 Analyzed by: [Signature] Date/Time: 8/30/06 @ 165560
 Reviewed by: [Signature] Date: 8/31/06 @ 08:17



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1095

Run #: 64015

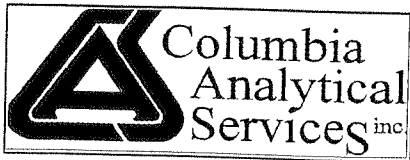
Prep Run # -

10ppm STOCK # 3397 @ 1/10 exp 2/1/07 Conc. H2SO4 Lot#: EMD # 44257 E exp 1/31/08
 387ppb ICV/CCV # 3446 @ 1/10 exp 9/24/06 Coloring Reagent Ref# 3445 exp 9/23/06
 Digestion solution(for solids) NA

	Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results mg/L mg/Kg	QA/QC %R %RPD
	1	0	—	0.000	0.000	} 0.999981		
	2	0.01			0.011			
	3	0.05			0.057			
	4	0.10			0.113			
	5	ICB				0.000	0.000	0.000036
	6	ICV TV = 0.0387ppm			0.044	0.044	0.0389	101%
	7	MB			0.001	0.001	0.00092	
	8	LCS TV = 0.04ppm		↓	0.045	0.045	0.0398	99%
	9	1095-14.1		0.001	0.002	0.001	0.00092	
#	10	-14.1 MS		0.001	0.057	0.056	0.0495	99% RAD
#	11	-14.1 MBP		0.001	0.058	0.057	0.0504	101% <1
	12	-15.1		0.002	0.001	0.000	0.000036	
	13	↓ -16.1		0.002	0.004	0.002	0.0018	
	14	CCVI		0.000	0.045	0.045	0.0398	103%
	15	CCBI	↓	↓	0.001	0.001	0.00092	
	16	/						
	17							
	18							
	19							
	20							

Comments: LCS: 0.4 ml # 3397 @ 1/10 ↑ 10 ml w/ DI
MS/MSD: 0.5 ml # 3397 @ 1/10 ↑ 10 ml w/ sample TV = 0.05ppm

Digested: NA
 Prepared by: RW Date/Time: 8/31/06 @ 14:45
 Analyzed by: RW Date/Time: 8/31/06 @ 14:55 4461
 Reviewed by: SW Date: 8/31/06



Hexavalent Chromium
 Methods SM 3500-Cr-D
 EPA3060A/EPA7196A

Service Request #: 1095

Run #: 64110

Prep Run # —

STOCK # 3397 @ 1/10 exp 2/1/07 Conc. H2SO4 Lot#: EMD # 44257E exp 1/3/08
 ICV/CCV # 3446 @ 1/10 exp 9/24/06 Coloring Reagent Ref# 3445 exp 9/23/06
 Digestion solution(for solids) NA

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results mg/L mg/Kg	QA/QC %R %RPD
1	0	—	0.000	0.000			
2	0.01	↓		0.011	} 0.999	9.56	
3	0.05	↓		0.055			
4	0.1	↓		0.112			
5	TCB	↓		0.001			0.001
6	ICV TV = 0.0387 ppm	↓		0.044	0.044	0.0396	102%
7	MB	↓		0.000	0.000	0.00024	
8	LCS TV = 0.04 ppm	↓	↓	0.046	0.046	0.0413	103%
9	1095-17.1	↓	0.000	0.000	0.000	0.00024	
10	↓ 17.1MS	↓	0.000	0.077	0.077	0.0690	138% RPD
11	↓ 17.1MSD	↓	0.000	0.078	0.078	0.0699	140% RPD
12	↓ 18.1	↓	0.000	0.002	0.002	0.00203	
13	CCV TV = 0.0387 ppm	↓	0.000	0.044	0.044	0.0396	102%
14	CCBI	↓	0.000	0.000	0.000	0.00024	
15							
16							
17	* MS/MSD RESULTED IN HIGH RECOVERY.						
18	SINCE THIS IS A HIGH BIAS AND THE SAMPLES ARE ALL						
19	ND THE DATA HAS NOT BEEN AFFECTED. THE ANOMALY						
20	WILL BE FLAGGED.						

Comments: LCS: 0.4 ml # 3397 @ 1/10 ↑ 10 ml w/DI
MS/MSD: 0.5 ml # 3397 @ 1/10 ↑ 10 ml w/sample

Digested: NA
 Prepared by: RW Date/Time: 9/1/06 @ 13:30
 Analyzed by: RW Date/Time: 9/1/06 @ 13:4562
 Reviewed by: SA Date: 9/1/06



Hexavalent Chromium
 Methods SM 3500 Cr-D
 EPA3060A/EPA7196A

Service Request #: 1095 Run #: 64286
 Prep Run # -

10 ppm
 387 ppb

STOCK # 3397 @ 1/10 exp 2/1/07 Conc. H2SO4 Lot#: EMD 44257E exp 1/31/08
 ICV/CCV # 3446 @ 1/10 exp 9/24/07 Coloring Reagent Ref# 3445 exp 9/23/06
 Digestion solution(for solids) NA

Sample #	Sample vol./g. used	Dilution	Bkg	Absorbance @ 540nm	Corrected Abs.	Results mg/L mg/Kg	QA/QC %R %RPD
1	0	—	0.000	0.000	} 0.999925		
2	0.1			0.010			
3	0.05			0.057			
4	0.1			0.115			
5	ICB	10		0.000	0.000	0.00066	
6	ICV TV=0.0387ppm			0.042	0.042	0.0370	96%
7	MB			0.000	0.000	0.00066	
8	LCS TV=0.04ppm		↓	0.047	0.047	0.0413	103%
9	1095-11.1		0.000	0.000	0.000	0.00066	
10	↓ -19.1MS 0.05ppm		0.000	0.049	0.049	0.0430	86% RPD
11	↓ -19.1MSD L		0.000	0.047	0.047	0.0413	83% 4%
12	↓ -20.1		0.001	0.000	0.000	0.00066	
13	↓ -21.1		0.002	0.002	0.000	0.00066	
14	↓ -22.1		0.002	0.003	0.001	0.00152	
15	CCV TV=0.0387ppm		0.000	0.043	0.043	0.0378	98%
16	CCB1	↓	0.000	0.000	0.000	0.00066	
17							
18							
19							
20							

Comments: LCS 0.4 ml # 3397 @ 1/10 ↑ 10 ml w/DI
≠ MS/MSD 0.5 ml # 3397 @ 1/10 ↑ 10 ml w/sample

Digested: NA
 Prepared by: RW Date/Time: 9/5/06 @ 15:15
 Analyzed by: RW Date/Time: 9/5/06 @ 15:30 63
 Reviewed by: SN Date: 9/6/06

Miscellaneous Reagents and Standards Log

Std # 3396	Date: 3/2/06	Initial: RW
Source: See Below	Lot#: See Below	
Reagent: Digestion Soln	Test: Cr ⁶⁺ ZC	
Method: 7199	Expiration Date: 4/2/06	

Preparation:

20g NaOH (45043)
+
30g Na₂CO₃ (43353404) ↑ 1L DI H₂O

Std # 3397	Date: 3/2/06	Initial: RW
Source: IV Ref # 3346	Lot#: 3346	
Reagent: 10ppm Cr ⁶⁺ Std	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 2/1/07	

Preparation:

1ml # 3346 ↑ 100ml DI H₂O

Std # 3398	Date: 3/2/06	Initial: RW
Source: AP6	Lot#: Ref # 3132	
Reagent: ICV/CCV(UV)	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 4/2/06	

Preparation:

0.5ml #3132 ↑ 100ml DI

Miscellaneous Reagents and Standards Log

Std #	3346	Date:	1/17/06	Initial:	RW
Source:	IV	Lot#:	Y-CR02144		
Reagent:	Cr ⁺⁶ 1000ppm	Test:	Cr ^{VI}		
Method:	218.6	Expiration Date:	2/1/07		

Preparation:

Purchased

Std #	3347	Date:	1/17/06	Initial:	MC
Source:	See below	Lot#:	See below		
Reagent:	ICV/CCV Ammonia	Test:	NH ₃		
Method:	350.3 / 380.2	Expiration Date:	01/17/07		

Preparation:

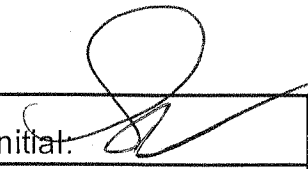
0.3819 g of NH₄Cl ^{from 1/19/06} Mallinckrodt Lot 3384 A38588/100ml

Std #	3348	Date:	1/20/06	Initial:	SR
Source:	Ref # 3335	Lot#:	—		
Reagent:	1.25N NaOH	Test:	Cyanide		
Method:	335.2	Expiration Date:	12/29/06		

Preparation:

400ml Ref # 3335 ↑ 2L w/ DI

Miscellaneous Reagents and Standards Log

Std # 3444	Date: 8/17/06	Initial: 
Source: See below	Lot#: See below	
Reagent: Coloring REAGENT	Test: NO2	
Method: 354.1	Expiration Date: 2/17/07	

Preparation:

ADD 37.5ml DI H2O + 26.25ml CONC HCl + 1.25g Sulfanilamide + 0.125g NED
 + 34.0g Sodium Acetate AND BRING UP TO 125ml w/DI WATER
 EMO LOT 3275B26B EXP 10/28/10
 CONC HCl - EMO 45251C EXP 1/15/08
 MADE IN CHINA
 7921A04592
 EXP 3/24/09
 JT Baker
 A43623
 EXP 12/7/09

Std # 3445	Date: 8/23/06	Initial: RW
Source: See Below	Lot#: See Below	
Reagent: Coloring Reagent	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 9/23/06	

Preparation:

0.5g 1,5-diphenylcarbohydrazide (34234521 EM)
 dissolved in 100ml Acetone EM 42328

Std # 3446	Date: 8/24/06	Initial: RW
Source: APG	Lot#: 42496	
Reagent: IGV/CCV (UV)	Test: Cr ⁶⁺ UV	
Method: 7196A	Expiration Date: 9/24/06	

Preparation:

1.0ml # 3426 → 100ml

49 = 382 ppb