

### **ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS (SUMMARY SHEETS)**

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This attachment contains the summary sheets from the laboratory analytical reports prepared by Laucks Laboratories, Inc. (Laucks) in Seattle, Washington, and Applied Physics and Chemistry Laboratory (APCL) in Chino, California. Complete analytical reports are available upon request.

**SAMPLE DATA**

SDG # JPL01

Volatiles Analysis

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-5

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314013.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.8	
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		4.4	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.3	J
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		3.8	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-5

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314013.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314013.D  
 Acq On : 14 Mar 2006 13:14  
 Sample : JPL01-001 MW-21-5  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 14:28 2006

Vial: 19  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	606935	50.00	ug/l	0.00 90.82%
50) Chlorobenzene-d5	8.56	82	288945	50.00	ug/l	0.00 85.17%
69) 1,4-Dichlorobenzene-d4	10.90	152	339188	50.00	ug/l	0.00 77.49%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	177113	46.33	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	175125	47.87	ug/l	0.00
51) Toluene-d8	7.08	98	560631	47.90	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	278290	49.70	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	1.89	76	615	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.41	73	802	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	2.81	63	1384	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	3.55	96	4506	0.78	ug/l ✓	99
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	4.07	83	41236	4.36	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	4.81	78	121	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.68	130	2062	0.35	ug/l ✓	93

(#) = qualifier out of range (m) = manual integration  
 Y0314013.D 8260B.M Tue Mar 14 14:28:28 2006

Jan 3/14/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314013.D  
 Acq On : 14 Mar 2006 13:14  
 Sample : JPL01-001 MW-21-5  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 14:28 2006

Vial: 19  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	6.30	83	302	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	7.16	92	401	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	7.72	166	22633	3.84 ug/l	100
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	8.59	112	165	N.D.	
62) Ethylbenzene	8.73	91	278	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-xylene	8.86	106	717	N.D.	
65) o-xylene	9.24	106	70	N.D.	
66) Styrene	9.27	104	130	N.D.	
67) Bromoform	0.00	173	0	N.D.	d
68) Isopropylbenzene	9.63	105	323	N.D.	
71) 1,1,2,2-Tetrachloroethane	9.76	83	75	N.D.	
72) n-Propylbenzene	10.04	120	58	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
74) Bromobenzene	0.00	156	0	N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0	N.D.	
76) 2-Chlorotoluene	10.10	91	225	N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	363	N.D.	
78) 4-Chlorotoluene	10.10	91	225	N.D.	
79) tert-Butylbenzene	10.54	119	222	N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	424	N.D.	
81) sec-butylbenzene	10.76	105	639	N.D.	
82) 4-Isopropyltoluene	10.92	119	725	N.D.	
83) 1,3-Dichlorobenzene	10.83	111	229	N.D.	
84) 1,4-Dichlorobenzene	10.83	146	745	N.D.	
85) n-Butylbenzene	11.32	91	912	N.D.	
86) 1,2-Dichlorobenzene	11.27	146	549	N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0	N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	420	N.D.	
89) Hexachlorobutadiene	13.06	225	214	N.D.	
90) Naphthalene	13.08	128	342	N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	491	N.D.	

*Qm 2/14/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314013.D            vial: 19  
Acq On    : 14 Mar 2006 13:14                            Operator: JMD  
Sample    : JPL01-001 MW-21-5                           Inst : yoda  
Misc      : 5mL+IS/SS #3 (524.2)                        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

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Y0314013.D 8260B.M    Wed Mar 15 12:17:06 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-4

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314014.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.8	
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		3.8	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.3	J
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		3.0	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-4

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314014.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314014.D  
 Acq On : 14 Mar 2006 13:39  
 Sample : JPL01-002 MW-21-4  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 14:29 2006

Vial: 20  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	586193	50.00	ug/l	0.00 87.72%
50) Chlorobenzene-d5	8.56	82	278102	50.00	ug/l	0.00 81.97%
69) 1,4-Dichlorobenzene-d4	10.90	152	333598	50.00	ug/l	0.00 76.21%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	174659	47.30	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	172833	48.91	ug/l	0.00
51) Toluene-d8	7.08	98	541490	48.07	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	270500	49.12	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	1.89	76	386	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.42	73	1098	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	2.81	63	764	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	3.55	96	4498	0.81	ug/l ✓	100
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	4.07	83	34664	3.80	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	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	4.81	78	115	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.69	130	1496	0.26	ug/l # ✓	52

(#) = qualifier out of range (m) = manual integration  
 Y0314014.D 8260B.M Tue Mar 14 14:29:39 2006

*JM* 3/14/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314014.D  
 Acq On : 14 Mar 2006 13:39  
 Sample : JPL01-002 MW-21-4  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 14:29 2006

Vial: 20  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43) Methylcyclohexane	5.89	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	6.30	83	525	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	7.15	92	363	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	7.72	166	16984	2.99 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	8.59	112	53	N.D.	
62) Ethylbenzene	8.73	91	495	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-xylene	8.86	106	766	N.D.	
65) o-xylene	9.24	106	93	N.D.	
66) Styrene	9.27	104	60	N.D.	
67) Bromoform	0.00	173	0	N.D. d	
68) Isopropylbenzene	9.63	105	353	N.D.	
71) 1,1,2,2-Tetrachloroethane	9.77	83	134	N.D.	
72) n-Propylbenzene	10.04	120	55	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
74) Bromobenzene	0.00	156	0	N.D.	
75) 1,2,3-Trichloropropane	9.77	110	108	N.D.	
76) 2-Chlorotoluene	10.10	91	262	N.D.	
77) 1,3,5-Trimethylbenzene	10.22	105	250	N.D.	
78) 4-Chlorotoluene	10.21	91	285	N.D.	
79) tert-Butylbenzene	10.53	119	122	N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	222	N.D.	
81) sec-butylbenzene	10.76	105	673	N.D.	
82) 4-Isopropyltoluene	10.91	119	889	N.D.	
83) 1,3-Dichlorobenzene	10.83	111	114	N.D.	
84) 1,4-Dichlorobenzene	10.93	146	631	N.D.	
85) n-Butylbenzene	11.32	91	788	N.D.	
86) 1,2-Dichlorobenzene	11.28	146	494	N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0	N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	363	N.D.	
89) Hexachlorobutadiene	13.05	225	274	N.D.	
90) Naphthalene	13.08	128	259	N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	339	N.D.	

Jan 3/14/06

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314014.D                   Vial: 20  
Acq On    : 14 Mar 2006 13:39                   Operator: JMD  
Sample    : JPL01-002 MW-21-4                  Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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

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Y0314014.D 8260B.M    Wed Mar 15 12:17:18 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-3

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314015.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.6	
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		1.7	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.9	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		3.1	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-3

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314015.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314015.D  
 Acq On : 14 Mar 2006 14:04  
 Sample : JPL01-003 MW-21-3  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 14:30 2006

Vial: 21  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	631061	50.00	ug/l	0.00 94.43%
50) Chlorobenzene-d5	8.56	82	305842	50.00	ug/l	0.00 90.15%
69) 1,4-Dichlorobenzene-d4	10.90	152	311412	50.00	ug/l	0.00 71.14%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	183944	46.28	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	181756	47.78	ug/l	0.00
51) Toluene-d8	7.08	98	595423	48.07	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	282469	54.95	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	1.89	76	486	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.41	73	392	N.D.		
20) trans-1,2-Dichloroethene	2.39	96	866	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.81	63	1588	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	3.54	96	3694	0.62	ug/l	96
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	4.06	83	16657	1.70	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	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	5.68	130	5610	0.92	ug/l	96

(#) = qualifier out of range (m) = manual integration  
 Y0314015.D 8260B.M Tue Mar 14 14:30:52 2006

*Jan 3/14/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314015.D  
 Acq On : 14 Mar 2006 14:04  
 Sample : JPL01-003 MW-21-3  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 14:30 2006

Vial: 21  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	6.30	83	324	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	7.14	92	462	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	7.72	166	19582	3.14 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	8.59	112	134	N.D.	
62) Ethylbenzene	8.74	91	464	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.86	106	802	N.D.	
65) o-xylene	9.24	106	142	N.D.	
66) Styrene	0.00	104	0	N.D.	
67) Bromoform	0.00	173	0	N.D.	d
68) Isopropylbenzene	9.64	105	329	N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
72) n-Propylbenzene	10.04	120	61	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
74) Bromobenzene	0.00	156	0	N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0	N.D.	
76) 2-Chlorotoluene	10.10	91	154	N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	320	N.D.	
78) 4-Chlorotoluene	10.21	91	259	N.D.	
79) tert-Butylbenzene	10.55	119	242	N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	350	N.D.	
81) sec-butylbenzene	10.76	105	453	N.D.	
82) 4-Isopropyltoluene	10.91	119	587	N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0	N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	437	N.D.	
85) n-Butylbenzene	11.31	91	629	N.D.	
86) 1,2-Dichlorobenzene	11.28	146	356	N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0	N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	325	N.D.	
89) Hexachlorobutadiene	13.05	225	211	N.D.	
90) Naphthalene	13.08	128	128	N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	488	N.D.	

pm 3/14/06



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314015.D           Vial: 21  
Acq On    : 14 Mar 2006  14:04                   Operator: JMD  
Sample    : JPL01-003 MW-21-3                   Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)               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

\*\*\*\*\*  
Y0314015.D  8260B.M    Wed Mar 15 12:17:34 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-2

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314016.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		1.1	
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.7	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.7	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		4.7	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-2

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314016.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314016.D Vial: 22  
 Acq On : 14 Mar 2006 14:28 Operator: JMD  
 Sample : JPL01-004 MW-21-2 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 15:07 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	578945	50.00	ug/l	0.00 86.63%
50) Chlorobenzene-d5	8.56	82	271493	50.00	ug/l	0.00 80.02%
69) 1,4-Dichlorobenzene-d4	10.90	152	311129	50.00	ug/l	0.00 71.08%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.30	111	174139	47.75	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	166319	47.66	ug/l	0.00
51) Toluene-d8	7.08	98	524308	47.68	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	261270	50.87	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	1.89	76	403	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.41	73	1448	N.D.		
20) trans-1,2-Dichloroethene	2.38	96	214	N.D.		
21) Acrylonitrile	0.00	53	0	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.81	63	1154	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	3.55	96	5757	1.05 ug/l	✓	99
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	4.07	83	6658	0.74 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	5.68	130	3759	0.67 ug/l	✓	89

(#) = qualifier out of range (m) = manual integration  
 Y0314016.D 8260B.M Tue Mar 14 15:07:47 2006

*Jm 3/14/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314016.D  
 Acq On : 14 Mar 2006 14:28  
 Sample : JPL01-004 MW-21-2  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 15:07 2006

Vial: 22  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	6.30	83	55		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	7.15	92	215		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	7.72	166	26232	4.73	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	8.59	112	60		N.D.	
62) Ethylbenzene	8.73	91	355		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-xylene	8.86	106	585		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.27	104	56		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.64	105	207		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.23	120	54		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.10	91	57		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	171		N.D.	
78) 4-Chlorotoluene	10.21	91	237		N.D.	
79) tert-Butylbenzene	10.53	119	55		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	211		N.D.	
81) sec-butylbenzene	10.76	105	487		N.D.	
82) 4-Isopropyltoluene	10.91	119	604		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	283		N.D.	
85) n-Butylbenzene	11.31	91	501		N.D.	
86) 1,2-Dichlorobenzene	11.27	146	98		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	256		N.D.	
89) Hexachlorobutadiene	13.06	225	76		N.D.	
90) Naphthalene	13.09	128	96		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	146		N.D.	

*Handwritten notes:*  
 3/14/06  
 (checkmark next to 4.73 ug/l)

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314016.D Vial: 22  
Acq On : 14 Mar 2006 14:28 Operator: JMD  
Sample : JPL01-004 MW-21-2 Inst : yoda  
Misc : 5mL+IS/SS #3 (524.2) 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

\*\*\*\*\*  
Y0314016.D 8260B.M Wed Mar 15 12:17:44 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-1

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314017.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	J
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.4	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.3	J
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21-1

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314017.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314017.D  
 Acq On : 14 Mar 2006 14:53  
 Sample : JPL01-005 MW-21-1  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 15:17 2006

Vial: 23  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	598007	50.00	ug/l	0.00 89.48%
50) Chlorobenzene-d5	8.56	82	284114	50.00	ug/l	0.00 83.74%
69) 1,4-Dichlorobenzene-d4	10.90	152	310513	50.00	ug/l	0.00 70.94%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	180114	47.82	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	176373	48.93	ug/l	0.00
51) Toluene-d8	7.08	98	553016	48.06	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	271598	52.99	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	1.89	76	433	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.81	63	4440	0.46	ug/l	74
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) 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	4.06	83	3602	0.39	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	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	5.68	130	775	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0314017.D 8260B.M Tue Mar 14 15:17:28 2006

*Jms 3/14/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314017.D  
 Acq On : 14 Mar 2006 14:53  
 Sample : JPL01-005 MW-21-1  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 15:17 2006

Vial: 23  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.14	92	141		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	7.72	166	1502	0.26	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	8.59	112	113		N.D.	
62) Ethylbenzene	8.74	91	329		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	715		N.D.	
65) o-xylene	9.25	106	58		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	270		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.10	91	169		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	214		N.D.	
78) 4-Chlorotoluene	10.21	91	234		N.D.	
79) tert-Butylbenzene	10.54	119	63		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	287		N.D.	
81) sec-butylbenzene	10.75	105	407		N.D.	
82) 4-Isopropyltoluene	10.92	119	682		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.92	146	182		N.D.	
85) n-Butylbenzene	11.31	91	553		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	12.86	180	136		N.D.	
89) Hexachlorobutadiene	13.06	225	82		N.D.	
90) Naphthalene	13.08	128	144		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

*3/14/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314017.D Vial: 23  
Acq On : 14 Mar 2006 14:53 Operator: JMD  
Sample : JPL01-005 MW-21-1 Inst : yoda  
Misc : 5mL+IS/SS #1 (524.2) 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

\*\*\*\*\*  
Y0314017.D 8260B.M Wed Mar 15 12:17:54 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-1-3-8-06

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314018.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-1-3-8-06

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314018.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314018.D Vial: 24  
 Acq On : 14 Mar 2006 15:17 Operator: JMD  
 Sample : JPL01-006 EB-1-3-8-06 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 15:53 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	625647	50.00	ug/l	0.00 93.62%
50) Chlorobenzene-d5	8.56	82	298863	50.00	ug/l	0.00 88.09%
69) 1,4-Dichlorobenzene-d4	10.90	152	315268	50.00	ug/l	0.00 72.03%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	185382	47.04	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	183803	48.73	ug/l	0.00
51) Toluene-d8	7.08	98	574542	47.46	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	276506	53.13	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	1.79	43	3468	2.18	ug/l #	82
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.89	76	143	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.		
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	4.06	83	879	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	78	N.D.		

*Handwritten:* 2.18 ug/l # 82  
 d m 3/14/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314018.D Vial: 24  
 Acq On : 14 Mar 2006 15:17 Operator: JMD  
 Sample : JPL01-006 EB-1-3-8-06 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 15:53 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.15	92	194		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	7.72	166	206		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	8.59	112	146		N.D.	
62) Ethylbenzene	8.75	91	66		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	96		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.27	104	56		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.63	105	180		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.76	83	115		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.76	110	108		N.D.	
76) 2-Chlorotoluene	10.10	91	145		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	158		N.D.	
78) 4-Chlorotoluene	10.20	91	270		N.D.	
79) tert-Butylbenzene	10.54	119	62		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	305		N.D.	
81) sec-butylbenzene	10.75	105	447		N.D.	
82) 4-Isopropyltoluene	10.91	119	592		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.92	146	130		N.D.	
85) n-Butylbenzene	11.31	91	569		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	12.86	180	158		N.D.	
89) Hexachlorobutadiene	13.06	225	64		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	67		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314018.D           Vial: 24  
Acq On    : 14 Mar 2006 15:17                   Operator: JMD  
Sample    : JPL01-006 EB-1-3-8-06             Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)             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

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Y0314018.D 8260B.M    Wed Mar 15 12:18:02 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-1-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314019.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.8	
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		3.9	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.3	J
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		3.2	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-1-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314019.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314019.D Vial: 25  
 Acq On : 14 Mar 2006 15:42 Operator: JMD  
 Sample : JPL01-007 DUPE-1-1Q06 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 16:19 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	568760	50.00	ug/l	0.00 85.11%
50) Chlorobenzene-d5	8.56	82	270848	50.00	ug/l	0.00 79.83%
69) 1,4-Dichlorobenzene-d4	10.90	152	341011	50.00	ug/l	0.00 77.91%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.30	111	173873	48.53	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	171486	50.02	ug/l	0.00
51) Toluene-d8	7.08	98	519340	47.34	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	269267	47.84	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	1.89	76	342	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.42	73	583	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	2.81	63	1142	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	3.54	96	4044	0.75	ug/l	92
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	4.07	83	34617	3.91	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	5.68	130	1457	0.26	ug/l	92

(#) = qualifier out of range (m) = manual integration  
 Y0314019.D 8260B.M Tue Mar 14 16:19:18 2006

*Jm 3/14/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314019.D  
 Acq On : 14 Mar 2006 15:42  
 Sample : JPL01-007 DUPE-1-1Q06  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 16:19 2006

Vial: 25  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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. d	
47) Bromodichloromethane	6.30	83	351		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	7.15	92	78		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	7.72	166	17813	3.22	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	8.74	91	300		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	686		N.D.	
65) o-xylene	9.24	106	131		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D. d	
68) Isopropylbenzene	9.63	105	80		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.10	91	142		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	194		N.D.	
78) 4-Chlorotoluene	10.21	91	211		N.D.	
79) tert-Butylbenzene	10.54	119	127		N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	249		N.D.	
81) sec-butylbenzene	10.76	105	306		N.D.	
82) 4-Isopropyltoluene	10.91	119	526		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D. d	
84) 1,4-Dichlorobenzene	10.93	146	606		N.D.	
85) n-Butylbenzene	11.32	91	693		N.D.	
86) 1,2-Dichlorobenzene	11.27	146	348		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	358		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.08	128	64		N.D.	
91) 1,2,3-Trichlorobenzene	13.32	180	430		N.D.	

*JM 3/14/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314019.D                   Vial: 25  
Acq On    : 14 Mar 2006 15:42                   Operator: JMD  
Sample    : JPL01-007 DUPE-1-1Q06             Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)             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

\*\*\*\*\*  
Y0314019.D 8260B.M    Wed Mar 15 12:18:15 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-1-3-8-06

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314009.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-1-3-8-06

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314009.DLevel: (low/med) LOWDate Received: 03/09/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314009.D Vial: 15  
 Acq On : 14 Mar 2006 11:36 Operator: JMD  
 Sample : JPL01-008 TB-1-3-8-06 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 12:07 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	573534	50.00	ug/l	0.00 85.82%
50) Chlorobenzene-d5	8.56	82	270778	50.00	ug/l	0.00 79.81%
69) 1,4-Dichlorobenzene-d4	10.90	152	347765	50.00	ug/l	0.00 79.45%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	170105	47.09	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	166610	48.19	ug/l	0.00
51) Toluene-d8	7.08	98	520293	47.44	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	272762	47.52	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.93	50	206	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	1.89	76	989	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.14	84	1463	Below Cal		97
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.		
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	4.53	75	83	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	5.68	130	72	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0314009.D 8260B.M Tue Mar 14 12:08:07 2006



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314009.D Vial: 15  
 Acq On : 14 Mar 2006 11:36 Operator: JMD  
 Sample : JPL01-008 TB-1-3-8-06 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 12:07 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.90	83	56		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	7.15	92	435		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	7.72	166	302		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	8.59	112	394		N.D.	
62) Ethylbenzene	8.74	91	658		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.87	106	627		N.D.	
65) o-xylene	9.25	106	174		N.D.	
66) Styrene	9.27	104	403		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	724		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.04	120	324		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.89	156	56		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.10	91	690		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	756		N.D.	
78) 4-Chlorotoluene	10.21	91	914		N.D.	
79) tert-Butylbenzene	10.54	119	602		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	855		N.D.	
81) sec-butylbenzene	10.76	105	1554		N.D.	
82) 4-Isopropyltoluene	10.91	119	1605		N.D.	
83) 1,3-Dichlorobenzene	10.83	111	236		N.D.	
84) 1,4-Dichlorobenzene	10.83	146	692		N.D.	
85) n-Butylbenzene	11.32	91	1702		N.D.	
86) 1,2-Dichlorobenzene	11.28	146	514		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	842		N.D.	
89) Hexachlorobutadiene	13.06	225	728		N.D.	
90) Naphthalene	13.09	128	1012		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	616		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314009.D                   vial: 15  
Acq On    : 14 Mar 2006  11:36                   Operator: JMD  
Sample    : JPL01-008 TB-1-3-8-06               Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)               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

\*\*\*\*\*  
Y0314009.D  8260B.M    wed Mar 15 12:18:28 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-5

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314020.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.3	J
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-5

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314020.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314020.D Vial: 26  
 Acq On : 14 Mar 2006 16:07 Operator: JMD  
 Sample : JPL01-009 MW-20-5 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 16:24 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.21	96	598229	50.00	ug/l	0.00 89.52%
50) Chlorobenzene-d5	8.56	82	286498	50.00	ug/l	0.00 84.45%
69) 1,4-Dichlorobenzene-d4	10.90	152	303828	50.00	ug/l	0.00 69.41%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	179522	47.64	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	174362	48.35	ug/l	0.00
51) Toluene-d8	7.08	98	557613	48.05	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	268049	53.45	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	1.89	76	10945	0.61	ug/l	100
15) Acetonitrile	0.00	40	0	N.D.	d	
16) Allyl chloride	1.99	76	472	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	2.36	53	2391	1.24	ug/l	96
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.		
27) 2-Butanone	0.00	43	0	N.D.		
28) Propionitrile	0.00	54	0	N.D.	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0314020.D 8260B.M Tue Mar 14 16:24:44 2006

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Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314020.D  
 Acq On : 14 Mar 2006 16:07  
 Sample : JPL01-009 MW-20-5  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 16:24 2006

Vial: 26  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.14	92	749		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	7.73	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	8.60	112	56		N.D.	
62) Ethylbenzene	8.73	91	2033		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	921		N.D.	
65) o-xylene	9.25	106	340		N.D.	
66) Styrene	9.26	104	4837	0.35	ug/l	95
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.64	105	57		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.76	83	86		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.76	110	53		N.D.	
76) 2-Chlorotoluene	10.09	91	66		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	180		N.D.	
78) 4-Chlorotoluene	10.20	91	54		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	540		N.D.	
81) sec-butylbenzene	10.75	105	306		N.D.	
82) 4-Isopropyltoluene	10.91	119	554		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	191		N.D.	
85) n-Butylbenzene	11.31	91	388		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	12.86	180	62		N.D.	
89) Hexachlorobutadiene	13.06	225	115		N.D.	
90) Naphthalene	13.09	128	301		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

*Handwritten signature:* m 3/14/06

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314020.D                   Vial: 26  
Acq On    : 14 Mar 2006 16:07                   Operator: JMD  
Sample    : JPL01-009 MW-20-5                  Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)              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

\*\*\*\*\*  
Y0314020.D 8260B.M    wed Mar 15 12:18:42 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-4

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314021.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-4

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314021.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314021.D  
 Acq On : 14 Mar 2006 16:31  
 Sample : JPL01-010 MW-20-4  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 16:57 2006

Vial: 27  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.21	96	610291	50.00	ug/l	0.00 91.32%
50) Chlorobenzene-d5	8.56	82	293592	50.00	ug/l	0.00 86.54%
69) 1,4-Dichlorobenzene-d4	10.90	152	314042	50.00	ug/l	0.00 71.75%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	184351	47.96	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	181970	49.46	ug/l	0.00
51) Toluene-d8	7.08	98	560406	47.13	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	275061	53.06	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	1.89	76	13456	0.73	ug/l	100
15) Acetonitrile	0.00	40	0	N.D.	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	2.36	53	1314	0.67	ug/l	# 92
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.		
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.		

(#) = qualifier out of range (m) = manual integration  
 Y0314021.D 8260B.M Tue Mar 14 16:57:31 2006

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Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314021.D  
 Acq On : 14 Mar 2006 16:31  
 Sample : JPL01-010 MW-20-4  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 16:57 2006

Vial: 27  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.15	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	8.74	91	355		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	453		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.27	104	725		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	80		N.D.	
71) 1,1,1,2-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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.04	91	488		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	118		N.D.	
78) 4-Chlorotoluene	10.21	91	63		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	132		N.D.	
81) sec-butylbenzene	10.75	105	288		N.D.	
82) 4-Isopropyltoluene	10.91	119	492		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	127		N.D.	
85) n-Butylbenzene	11.32	91	363		N.D.	
86) 1,2-Dichlorobenzene	11.27	146	65		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	65		N.D.	
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.09	128	54		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	71		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314021.D           Vial: 27  
Acq On    : 14 Mar 2006 16:31                   Operator: JMD  
Sample    : JPL01-010 MW-20-4                  Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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

\*\*\*\*\*  
Y0314021.D 8260B.M    Wed Mar 15 12:18:51 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-3

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-011Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314022.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.3	J
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-3

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-011Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314022.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314022.D Vial: 28  
 Acq On : 14 Mar 2006 16:56 Operator: JMD  
 Sample : JPL01-011 MW-20-3 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:16 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	612707	50.00	ug/l	0.00 91.68%
50) Chlorobenzene-d5	8.56	82	297993	50.00	ug/l	0.00 87.84%
69) 1,4-Dichlorobenzene-d4	10.90	152	313231	50.00	ug/l	0.00 71.56%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.30	111	177817	46.07	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	180045	48.75	ug/l	0.00
51) Toluene-d8	7.08	98	575950	47.72	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	278144	53.80	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	1.26	64	129	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	1.90	76	2165	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.36	53	1385	0.70	ug/l	90
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.		
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	4.06	83	179	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	5.68	130	111	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0314022.D 8260B.M wed Mar 15 09:17:08 2006

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Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314022.D  
 Acq On : 14 Mar 2006 16:56  
 Sample : JPL01-011 MW-20-3  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:16 2006

Vial: 28  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.14	92	257		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	7.72	166	1557	0.26	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	8.73	91	983		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	902		N.D.	
65) o-xylene	9.24	106	187		N.D.	
66) Styrene	9.26	104	1629		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.64	105	138		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.76	83	66		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.76	110	71		N.D.	
76) 2-Chlorotoluene	10.09	91	122		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	68		N.D.	
78) 4-Chlorotoluene	10.21	91	136		N.D.	
79) tert-Butylbenzene	10.54	119	63		N.D.	
80) 1,2,4-Trimethylbenzene	10.60	105	57		N.D.	
81) sec-butylbenzene	10.75	105	211		N.D.	
82) 4-Isopropyltoluene	10.91	119	369		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.92	146	132		N.D.	
85) n-Butylbenzene	11.31	91	417		N.D.	
86) 1,2-Dichlorobenzene	11.28	146	57		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	64		N.D.	
89) Hexachlorobutadiene	13.06	225	54		N.D.	
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

*M 3/15/06*



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314022.D           Vial: 28  
Acq On    : 14 Mar 2006  16:56                   Operator: JMD  
Sample    : JPL01-011 MW-20-3                   Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)               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

\*\*\*\*\*  
Y0314022.D  8260B.M    Wed Mar 15 12:19:00 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-2

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314023.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.4	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-2

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314023.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314023.D  
 Acq On : 14 Mar 2006 17:21  
 Sample : JPL01-012 MW-20-2  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:20 2006

Vial: 29  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	587930	50.00	ug/l	0.00 87.98%
50) Chlorobenzene-d5	8.56	82	284261	50.00	ug/l	0.00 83.79%
69) 1,4-Dichlorobenzene-d4	10.90	152	311029	50.00	ug/l	0.00 71.06%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	174898	47.23	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	176032	49.67	ug/l	0.00
51) Toluene-d8	7.08	98	545611	47.39	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	265773	51.77	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	1.26	64	70	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	1.90	76	1854	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.41	73	127	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	2.37	53	156	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.		
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	4.06	83	3282	0.36	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	5.68	130	135	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0314023.D 8260B.M wed Mar 15 09:21:13 2006

*JMD* 3/14/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314023.D Vial: 29  
 Acq On : 14 Mar 2006 17:21 Operator: JMD  
 Sample : JPL01-012 MW-20-2 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:20 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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.	d
47) Bromodichloromethane	6.29	83	288		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	7.15	92	241		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	7.72	166	155		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	8.73	91	277		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	477		N.D.	
65) o-xylene	9.26	106	55		N.D.	
66) Styrene	9.26	104	153		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	65		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.76	83	66		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.10	91	67		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	90		N.D.	
78) 4-chlorotoluene	10.21	91	70		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	133		N.D.	
81) sec-butylbenzene	10.75	105	216		N.D.	
82) 4-Isopropyltoluene	10.91	119	438		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	132		N.D.	
85) n-Butylbenzene	11.31	91	495		N.D.	
86) 1,2-Dichlorobenzene	11.27	146	54		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	193		N.D.	
89) Hexachlorobutadiene	13.06	225	56		N.D.	
90) Naphthalene	13.09	128	57		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	59		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314023.D                   Vial: 29  
Acq On    : 14 Mar 2006 17:21                   Operator: JMD  
Sample    : JPL01-012 MW-20-2                  Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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

\*\*\*\*\*  
Y0314023.D 8260B.M    Wed Mar 15 12:19:08 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-1

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314024.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-20-1

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314024.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314024.D  
 Acq On : 14 Mar 2006 17:45  
 Sample : JPL01-013 MW-20-1  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:22 2006

Vial: 30  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	609614	50.00	ug/l	0.00 91.22%
50) Chlorobenzene-d5	8.56	82	288317	50.00	ug/l	0.00 84.98%
69) 1,4-Dichlorobenzene-d4	10.90	152	311304	50.00	ug/l	0.00 71.12%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	182716	47.58	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	179003	48.71	ug/l	0.00
51) Toluene-d8	7.08	98	561071	48.05	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	269625	52.47	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	1.90	76	1051	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.06	83	695	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0314024.D 8260B.M Wed Mar 15 09:22:11 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314024.D Vial: 30  
 Acq On : 14 Mar 2006 17:45 Operator: JMD  
 Sample : JPL01-013 MW-20-1 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:22 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.14	92	149		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	8.86	91	893		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	464		N.D.	
65) o-xylene	9.24	106	54		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.76	105	234		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.04	120	71		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.04	91	208		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	178		N.D.	
78) 4-Chlorotoluene	10.20	91	72		N.D.	
79) tert-Butylbenzene	10.53	119	54		N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	72		N.D.	
81) sec-butylbenzene	10.75	105	218		N.D.	
82) 4-Isopropyltoluene	10.91	119	244		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	76		N.D.	
85) n-Butylbenzene	11.32	91	484		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	12.86	180	167		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.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314024.D                   vial: 30  
Acq On    : 14 Mar 2006 17:45                   Operator: JMD  
Sample    : JPL01-013 MW-20-1                  Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)               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

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Y0314024.D 8260B.M    Wed Mar 15 12:19:17 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-2-3906

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314025.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-2-3906

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314025.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314025.D Vial: 31  
 Acq On : 14 Mar 2006 18:10 Operator: JMD  
 Sample : JPL01-014 EB-2-3906 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:23 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	609225	50.00	ug/l	0.00 91.16%
50) Chlorobenzene-d5	8.56	82	291561	50.00	ug/l	0.00 85.94%
69) 1,4-Dichlorobenzene-d4	10.90	152	307859	50.00	ug/l	0.00 70.33%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.30	111	183551	47.83	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	180750	49.22	ug/l	0.00
51) Toluene-d8	7.08	98	563349	47.70	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	272086	53.54	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	1.80	43	3324	2.16	ug/l #	87
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.90	76	787	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.		
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	4.07	83	661	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.		

*Handwritten note:* 3/15/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314025.D Vial: 31  
 Acq On : 14 Mar 2006 18:10 Operator: JMD  
 Sample : JPL01-014 EB-2-3906 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:23 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.15	92	61		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	8.74	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.	d
68) Isopropylbenzene	9.77	105	221		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.76	83	56		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.04	91	274		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	54		N.D.	
78) 4-Chlorotoluene	10.04	91	274		N.D.	
79) tert-Butylbenzene	10.54	119	54		N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	136		N.D.	
81) sec-butylbenzene	10.75	105	236		N.D.	
82) 4-Isopropyltoluene	10.91	119	502		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	226		N.D.	
85) n-Butylbenzene	11.31	91	413		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	12.87	180	111		N.D.	
89) Hexachlorobutadiene	13.06	225	53		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\031406\Y0314025.D Vial: 31  
Acq On : 14 Mar 2006 18:10 Operator: JMD  
Sample : JPL01-014 EB-2-3906 Inst : yoda  
Misc : 5mL+IS/SS #3 (524.2) 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

\*\*\*\*\*  
Y0314025.D 8260B.M Wed Mar 15 12:19:26 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-2-3906

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314010.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-2-3906

Lab Name: Laucks Testing LabsSDG No.: JPL01Matrix: (soil/water) WATERLab Sample ID: JPL01-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314010.DLevel: (low/med) LOWDate Received: 03/10/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314010.D Vial: 16  
 Acq On : 14 Mar 2006 12:00 Operator: JMD  
 Sample : JPL01-015 TB-2-3-9-06 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 12:23 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	606545	50.00	ug/l	0.00 90.76%
50) Chlorobenzene-d5	8.56	82	289413	50.00	ug/l	0.00 85.31%
69) 1,4-Dichlorobenzene-d4	10.90	152	353968	50.00	ug/l	0.00 80.87%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	178662	46.76	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	176989	48.41	ug/l	0.00
51) Toluene-d8	7.08	98	559023	47.69	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	281590	48.19	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	1.89	76	696	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.13	84	3141	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.		
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	4.54	75	566	N.D.		
39) Benzene	4.80	78	63	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.68	130	125	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0314010.D 8260B.M Tue Mar 14 12:24:02 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314010.D                   Vial: 16  
 Acq On : 14 Mar 2006 12:00   Operator: JMD  
 Sample : JPL01-015 TB-2-3-9-06                                   Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2)                                       Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 12:23 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.88	83	77		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.	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	7.14	92	447		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	7.72	166	236		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	8.59	112	230		N.D.	
62) Ethylbenzene	8.73	91	701		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-xylene	8.86	106	536		N.D.	
65) o-xylene	9.25	106	75		N.D.	
66) Styrene	9.27	104	251		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	548		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.04	120	207		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.88	156	77		N.D.	
75) 1,2,3-Trichloropropane	9.76	110	66		N.D.	
76) 2-Chlorotoluene	10.09	91	491		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	715		N.D.	
78) 4-Chlorotoluene	10.21	91	697		N.D.	
79) tert-Butylbenzene	10.54	119	508		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	520		N.D.	
81) sec-butylbenzene	10.76	105	912		N.D.	
82) 4-Isopropyltoluene	10.91	119	1372		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.92	146	891		N.D.	
85) n-Butylbenzene	11.31	91	1301		N.D.	
86) 1,2-Dichlorobenzene	11.27	146	405		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	593		N.D.	
89) Hexachlorobutadiene	13.06	225	511		N.D.	
90) Naphthalene	13.08	128	750		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	445		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314010.D           Vial: 16  
Acq On    : 14 Mar 2006 12:00                   Operator: JMD  
Sample    : JPL01-015 TB-2-3-9-06             Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)             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

\*\*\*\*\*  
Y0314010.D 8260B.M   Wed Mar 15 12:19:38 2006

**Metals Data**

**JPL01**

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS

SDG No.: JPL01

SOW No.: \_\_\_\_\_

Sample No.	Lab Sample ID
DUPE-1-1006	JPL01-007
EB-1-3-8-06	JPL01-006
EB-2-3906	JPL01-014
MW-20-1	JPL01-013
MW-20-2	JPL01-012
MW-20-3	JPL01-011
MW-20-3D	JPL01-011D
MW-20-3MS	JPL01-011MS
MW-20-3MSD	JPL01-011MSD
MW-20-4	JPL01-010
MW-20-5	JPL01-009
MW-21-1	JPL01-005
MW-21-2	JPL01-004
MW-21-3	JPL01-003
MW-21-4	JPL01-002
MW-21-5	JPL01-001

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. Ancora

Name: Jennifer R. Ancora

Date: 3/29/06

Title: Chemist

## **Metals Analysis Data Sheets**



## INORGANIC ANALYSES DATA SHEET

MW-21-5

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01Run Sequence ID: R005787Matrix (soil/water): WaterLab Sample ID: JPL01-001Level (low/med): LOWDate Received: 03/09/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.39			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-21-4
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-002

Level (low/med): LOW

Date Received: 03/09/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.41			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-21-3
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-003

Level (low/med): LOW

Date Received: 03/09/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.50			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-21-2

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-004

Level (low/med): LOW

Date Received: 03/09/2006

\* Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.43			

Color Before: White 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: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-005

Level (low/med): LOW

Date Received: 03/09/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-1-3-8-06

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-006

Level (low/med): LOW

Date Received: 03/09/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.03			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

DUPE-1-1Q06

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-007

Level (low/med): LOW

Date Received: 03/09/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.07			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-20-5
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-009

Level (low/med): LOW

Date Received: 03/10/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White 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: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-010

Level (low/med): LOW

Date Received: 03/10/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## INORGANIC ANALYSES DATA SHEET

MW-20-3

Lab Name: Laucks Laboratories Contract: \_\_\_\_\_Lab Code: LAUCKS SDG No.: JPL01 Run Sequence ID: R005787Matrix (soil/water): Water Lab Sample ID: JPL01-011Level (low/med): LOW Date Received: 03/10/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.00			

Color Before: White 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 Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01Run Sequence ID: R005787Matrix (soil/water): WaterLab Sample ID: JPL01-012Level (low/med): LOWDate Received: 03/10/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-20-1
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS    SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-013

Level (low/med): LOW

Date Received: 03/10/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-2-3906

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL01

Run Sequence ID: R005787

Matrix (soil/water): Water

Lab Sample ID: JPL01-014

Level (low/med): LOW

Date Received: 03/10/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.09			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Miscellaneous Inorganic Data**

**JPL01**

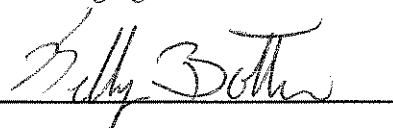
**Laucks Testing Laboratories**  
**Cover Page - Analysis Data Package**

Lab Code: LAUCKS

SDG Number: JPL01

Client Sample Identification	Lab Sample Identification
MW-21-5	JPL01-001DL1
MW-21-4	JPL01-002DL1
MW-21-3	JPL01-003DL1
MW-21-2	JPL01-004DL1
MW-21-1	JPL01-005DL1
EB-1-3-8-06	JPL01-006
DUPE-1-1Q06	JPL01-007DL1
MW-20-5	JPL01-009DL1
MW-20-4	JPL01-010DL1
MW-20-3	JPL01-011DL1
MW-20-3MS	JPL01-011MS
MW-20-3MSD	JPL01-011MSD
MW-20-2	JPL01-012DL1
MW-20-1	JPL01-013DL1
EB-2-3906	JPL01-014

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: Kelly Botten  
 Date: March 23, 2006 Title: Department Manager

## **Inorganic Analysis Data Sheets**



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL01  
Sample Number: MW-21-5 Date/Time Collected: 03/08/2006 08:27  
Lab Sample ID: JPL01-001 Date/Time Received: 03/09/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0 U	4.0	0.80	03/21/2006	03/21/2006	R005661

**Laucks Testing Laboratories, Inc.**

**Final Results**

**Client:** Battelle **Project:** JPL Groundwater  
**SDG Number:** JPL01  
**Sample Number:** MW-21-4 **Date/Time Collected:** 03/08/2006 09:20  
**Lab Sample ID:** JPL01-002 **Date/Time Received:** 03/09/2006 08:30  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0 U	4.0	0.80	03/21/2006	03/21/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL01  
Sample Number: MW-21-3 Date/Time Collected: 03/08/2006 09:48  
Lab Sample ID: JPL01-003 Date/Time Received: 03/09/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0 U	4.0	0.80	03/21/2006	03/21/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater  
**SDG Number:** JPL01  
**Sample Number:** MW-21-2 **Date/Time Collected:** 03/08/2006 10:11  
**Lab Sample ID:** JPL01-004 **Date/Time Received:** 03/09/2006 08:30  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0 U	4.0	0.80	03/21/2006	03/21/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL01  
Sample Number: MW-21-1 Date/Time Collected: 03/08/2006 10:41  
Lab Sample ID: JPL01-005 Date/Time Received: 03/09/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0 U	4.0	0.80	03/21/2006	03/21/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater  
**SDG Number:** JPL01  
**Sample Number:** EB-1-3-8-06 **Date/Time Collected:** 03/08/2006 10:33  
**Lab Sample ID:** JPL01-006 **Date/Time Received:** 03/09/2006 08:30  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0 U	1.0	0.20	03/21/2006	03/21/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater  
**SDG Number:** JPL01  
**Sample Number:** DUPE-1-1Q06 **Date/Time Collected:** 03/08/2006 00:00  
**Lab Sample ID:** JPL01-007 **Date/Time Received:** 03/09/2006 08:30  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0 U	4.0	0.80	03/21/2006	03/22/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater  
**SDG Number:** JPL01  
**Sample Number:** MW-20-5 **Date/Time Collected:** 03/09/2006 07:45  
**Lab Sample ID:** JPL01-009 **Date/Time Received:** 03/10/2006 08:30  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0 U	2.0	0.40	03/21/2006	03/22/2006	R005661



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL01  
Sample Number: MW-20-4 Date/Time Collected: 03/09/2006 08:21  
Lab Sample ID: JPL01-010 Date/Time Received: 03/10/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0 U	2.0	0.40	03/21/2006	03/22/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater  
**SDG Number:** JPL01  
**Sample Number:** MW-20-3 **Date/Time Collected:** 03/09/2006 08:55  
**Lab Sample ID:** JPL01-011 **Date/Time Received:** 03/10/2006 08:30  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0 U	4.0	0.80	03/21/2006	03/21/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL01  
Sample Number: MW-20-2 Date/Time Collected: 03/09/2006 09:57  
Lab Sample ID: JPL01-012 Date/Time Received: 03/10/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0 U	2.0	0.40	03/21/2006	03/22/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater  
**SDG Number:** JPL01  
**Sample Number:** MW-20-1 **Date/Time Collected:** 03/09/2006 10:31  
**Lab Sample ID:** JPL01-013 **Date/Time Received:** 03/10/2006 08:30  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0 U	2.0	0.40	03/21/2006	03/22/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL01  
Sample Number: EB-2-3906 Date/Time Collected: 03/09/2006 10:25  
Lab Sample ID: JPL01-014 Date/Time Received: 03/10/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0 U	1.0	0.20	03/21/2006	03/22/2006	R005661

**SAMPLE DATA**

SDG # JPL02

Volatiles Analysis

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-26-2

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314026.DLevel: (low/med) LOWDate Received: 03/11/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-26-2

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314026.DLevel: (low/med) LOWDate Received: 03/11/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314026.D Vial: 32  
 Acq On : 14 Mar 2006 18:35 Operator: JMD  
 Sample : JPL02-001 MW-26-2 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:58 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	618132	50.00	ug/l	0.00 92.49%
50) Chlorobenzene-d5	8.56	82	301849	50.00	ug/l	0.00 88.97%
69) 1,4-Dichlorobenzene-d4	10.90	152	310678	50.00	ug/l	0.00 70.98%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.30	111	185497	47.64	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	184372	49.48	ug/l	0.00
51) Toluene-d8	7.08	98	588168	48.11	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	279676	54.54	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	1.88	76	478	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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.		

(#) = qualifier out of range (m) = manual integration  
 Y0314026.D 8260B.M wed Mar 15 09:58:30 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314026.D Vial: 32  
 Acq On : 14 Mar 2006 18:35 Operator: JMD  
 Sample : JPL02-001 MW-26-2 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:58 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.15	92	174		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	8.86	91	913		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	398		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.	d
68) Isopropylbenzene	9.63	105	54		N.D.	
71) 1,1,1,2-Tetrachloroethane	9.76	83	138		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.76	110	59		N.D.	
76) 2-Chlorotoluene	10.10	91	63		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.20	91	75		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	62		N.D.	
81) sec-butylbenzene	10.75	105	144		N.D.	
82) 4-Isopropyltoluene	10.91	119	347		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	11.31	91	290		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	12.86	180	79		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.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314026.D           Vial: 32  
Acq On    : 14 Mar 2006 18:35                   Operator: JMD  
Sample    : JPL02-001 MW-26-2                 Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)             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

\*\*\*\*\*  
Y0314026.D 8260B.M    Wed Mar 15 12:22:08 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-26-1

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314027.DLevel: (low/med) LOWDate Received: 03/11/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-26-1

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314027.DLevel: (low/med) LOWDate Received: 03/11/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314027.D Vial: 33  
 Acq On : 14 Mar 2006 19:00 Operator: JMD  
 Sample : JPL02-002 MW-26-1 Inst : yoda  
 Misc : 5mL+IS/SS #5 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:59 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	586282	50.00	ug/l	0.00 87.73%
50) Chlorobenzene-d5	8.56	82	282917	50.00	ug/l	0.00 83.39%
69) 1,4-Dichlorobenzene-d4	10.90	152	300491	50.00	ug/l	0.00 68.65%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	180816	48.96	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	176419	49.92	ug/l	0.00
51) Toluene-d8	7.08	98	545196	47.58	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	262438	52.91	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	1.89	76	467	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.42	73	172	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.		
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	4.07	83	938	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	502	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0314027.D 8260B.M Wed Mar 15 09:59:26 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314027.D Vial: 33  
 Acq On : 14 Mar 2006 19:00 Operator: JMD  
 Sample : JPL02-002 MW-26-1 Inst : yoda  
 Misc : 5mL+IS/SS #5 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 9:59 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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.	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	7.15	92	233		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	7.72	166	1195		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	8.73	91	136		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	646		N.D.	
65) o-xylene	9.24	106	86		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.77	105	291		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.04	91	233		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.04	91	233		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.76	105	203		N.D.	
81) sec-butylbenzene	10.76	105	203		N.D.	
82) 4-Isopropyltoluene	10.91	119	337		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	75		N.D.	
85) n-Butylbenzene	11.31	91	347		N.D.	
86) 1,2-Dichlorobenzene	11.28	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	13.32	180	128		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314027.D           Vial: 33  
Acq On    : 14 Mar 2006 19:00                   Operator: JMD  
Sample    : JPL02-002 MW-26-1                 Inst     : yoda  
Misc      : 5mL+IS/SS #5 (524.2)             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

\*\*\*\*\*  
Y0314027.D 8260B.M    Wed Mar 15 12:22:17 2006



VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

**EB-3-31006**

Lab Name: Laucks Testing Labs

SDG No.: JPL02

Matrix: (soil/water) WATER

Lab Sample ID: JPL02-003

Sample wt/vol: 5.0 (g/ml) ML

Lab File ID: Y0314028.D

Level: (low/med) LOW

Date Received: 03/11/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06

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

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
594-20-7	2,2-Dichloropropane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
56-23-5	Carbon tetrachloride	0.5	U
71-43-2	Benzene	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
108-90-7	Chlorobenzene	0.5	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-3-31006

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314028.DLevel: (low/med) LOWDate Received: 03/11/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314028.D  
 Acq On : 14 Mar 2006 19:24  
 Sample : JPL02-003 EB-3-31006  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 10:00 2006

Vial: 34  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	586109	50.00	ug/l	0.00 87.70%
50) Chlorobenzene-d5	8.56	82	281754	50.00	ug/l	0.00 83.05%
69) 1,4-Dichlorobenzene-d4	10.90	152	298009	50.00	ug/l	0.00 68.08%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.30	111	177261	48.01	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	176185	49.87	ug/l	0.00
51) Toluene-d8	7.08	98	547274	47.96	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	261940	53.25	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	1.80	43	3421	2.25	ug/l	89
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.89	76	409	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.		
27) 2-Butanone	3.63	43	65	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	4.07	83	700	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	4.34	56	554	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0314028.D 8260B.M wed Mar 15 10:00:13 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314028.D  
 Acq On : 14 Mar 2006 19:24  
 Sample : JPL02-003 EB-3-31006  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 10:00 2006

Vial: 34  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	8.74	91	111		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	9.63	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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.04	91	161		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	142		N.D.	
78) 4-Chlorotoluene	10.04	91	161		N.D.	
79) tert-Butylbenzene	10.54	119	59		N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	164		N.D.	
81) sec-butylbenzene	10.75	105	245		N.D.	
82) 4-Isopropyltoluene	10.92	119	477		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.92	146	132		N.D.	
85) n-Butylbenzene	11.31	91	488		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	13.06	225	54		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\031406\Y0314028.D           Vial: 34  
Acq On    : 14 Mar 2006  19:24                   Operator: JMD  
Sample    : JPL02-003 EB-3-31006               Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)               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

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Y0314028.D  8260B.M    Wed Mar 15 12:22:26 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-3-31006

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314011.DLevel: (low/med) LOWDate Received: 03/11/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-3-31006

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314011.DLevel: (low/med) LOWDate Received: 03/11/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314011.D Vial: 17  
 Acq On : 14 Mar 2006 12:25 Operator: JMD  
 Sample : JPL02-004 TB-3-3-10-06 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 13:08 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	572987	50.00	ug/l	0.00 85.74%
50) Chlorobenzene-d5	8.56	82	273717	50.00	ug/l	0.00 80.68%
69) 1,4-Dichlorobenzene-d4	10.90	152	341265	50.00	ug/l	0.00 77.96%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	170776	47.32	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	168292	48.72	ug/l	0.00
51) Toluene-d8	7.08	98	516546	46.59	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	272836	48.43	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.93	50	565	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	1.89	76	727	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.14	84	3117	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.		
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.		

(#) = qualifier out of range (m) = manual integration  
 Y0314011.D 8260B.M Tue Mar 14 13:09:03 2006



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314011.D  
 Acq On : 14 Mar 2006 12:25  
 Sample : JPL02-004 TB-3-3-10-06  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 13:08 2006

Vial: 17  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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.	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	7.15	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	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	8.59	112	219		N.D.	
62) Ethylbenzene	8.86	91	911		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	267		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.26	104	61		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	502		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.76	83	66		N.D.	
72) n-Propylbenzene	10.23	120	219		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.09	91	358		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	492		N.D.	
78) 4-Chlorotoluene	10.21	91	564		N.D.	
79) tert-Butylbenzene	10.54	119	320		N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	562		N.D.	
81) sec-butylbenzene	10.76	105	935		N.D.	
82) 4-Isopropyltoluene	10.91	119	940		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.92	146	497		N.D.	
85) n-Butylbenzene	11.31	91	1050		N.D.	
86) 1,2-Dichlorobenzene	11.27	146	254		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	472		N.D.	
89) Hexachlorobutadiene	13.06	225	267		N.D.	
90) Naphthalene	13.08	128	489		N.D.	
91) 1,2,3-Trichlorobenzene	13.32	180	393		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314011.D Vial: 17  
Acq On : 14 Mar 2006 12:25 Operator: JMD  
Sample : JPL02-004 TB-3-3-10-06 Inst : yoda  
Misc : 5mL+IS/SS #1 (524.2) 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

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Y0314011.D 8260B.M Wed Mar 15 12:22:59 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-5

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314029.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-5

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314029.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314029.D  
 Acq On : 14 Mar 2006 19:49  
 Sample : JPL02-005 MW-25-5  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 10:00 2006

Vial: 35  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	581486	50.00	ug/l	0.00 87.01%
50) Chlorobenzene-d5	8.56	82	276063	50.00	ug/l	0.00 81.37%
69) 1,4-Dichlorobenzene-d4	10.90	152	305804	50.00	ug/l	0.00 69.86%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	179224	48.93	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	175074	49.95	ug/l	0.00
51) Toluene-d8	7.08	98	530324	47.43	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	263133	52.13	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	1.89	76	911	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.80	78	154	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0314029.D 8260B.M wed Mar 15 10:01:04 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314029.D  
 Acq On : 14 Mar 2006 19:49  
 Sample : JPL02-005 MW-25-5  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 10:00 2006

Vial: 35  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.14	92	342		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	8.86	91	868		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	397		N.D.	
65) o-xylene	9.24	106	145		N.D.	
66) Styrene	9.26	104	147		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.76	105	149		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.04	91	281		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	146		N.D.	
78) 4-Chlorotoluene	10.21	91	56		N.D.	
79) tert-Butylbenzene	10.54	119	57		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	158		N.D.	
81) sec-butylbenzene	10.76	105	216		N.D.	
82) 4-Isopropyltoluene	10.91	119	364		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	61		N.D.	
85) n-Butylbenzene	11.31	91	431		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	12.86	180	127		N.D.	
89) Hexachlorobutadiene	13.05	225	123		N.D.	
90) Naphthalene	13.09	128	93		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314029.D           Vial: 35  
Acq On    : 14 Mar 2006 19:49                   Operator: JMD  
Sample    : JPL02-005 MW-25-5                  Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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

\*\*\*\*\*  
Y0314029.D 8260B.M    Wed Mar 15 12:22:35 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-4

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314030.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-4

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314030.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314030.D Vial: 36  
 Acq On : 14 Mar 2006 20:14 Operator: JMD  
 Sample : JPL02-006 MW-25-4 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 10:01 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	563054	50.00	ug/l	0.00 84.25%
50) Chlorobenzene-d5	8.56	82	269968	50.00	ug/l	0.00 79.58%
69) 1,4-Dichlorobenzene-d4	10.90	152	299375	50.00	ug/l	0.00 68.39%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	173297	48.86	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	169084	49.82	ug/l	0.00
51) Toluene-d8	7.08	98	517831	47.36	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	258266	52.26	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	1.89	76	579	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.06	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	4.82	78	58	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0314030.D 8260B.M wed Mar 15 10:02:01 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314030.D Vial: 36  
 Acq On : 14 Mar 2006 20:14 Operator: JMD  
 Sample : JPL02-006 MW-25-4 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 10:01 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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.	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	7.15	92	340		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	8.73	91	293		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	606		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	9.63	105	66		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.76	110	111		N.D.	
76) 2-Chlorotoluene	10.04	91	215		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	140		N.D.	
78) 4-Chlorotoluene	10.04	91	215		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	60		N.D.	
81) sec-butylbenzene	10.76	105	152		N.D.	
82) 4-Isopropyltoluene	10.91	119	160		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	123		N.D.	
85) n-Butylbenzene	11.31	91	268		N.D.	
86) 1,2-Dichlorobenzene	11.28	146	60		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.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314030.D                   Vial: 36  
Acq On    : 14 Mar 2006  20:14                   Operator: JMD  
Sample    : JPL02-006 MW-25-4                   Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)               Multiplier: 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

\*\*\*\*\*  
Y0314030.D  8260B.M    Wed Mar 15 12:22:46 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-3

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0315008.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/15/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.7	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-3

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0315008.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/15/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315008.D  
 Acq On : 15 Mar 2006 11:43  
 Sample : JPL02-007 MW-25-3  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 13:23 2006

Vial: 15  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	593151	50.00	ug/l	0.00 88.76%
50) Chlorobenzene-d5	8.56	82	289342	50.00	ug/l	0.00 85.29%
69) 1,4-Dichlorobenzene-d4	10.90	152	314529	50.00	ug/l	0.00 71.86%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	176020	47.11	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	173642	48.56	ug/l	0.00
51) Toluene-d8	7.08	98	554953	47.35	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	273135	52.61	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.93	50	67	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	1.89	76	1590	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.38	96	209	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.		
27) 2-Butanone	3.70	43	65	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	4.07	83	6113	0.66	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	4.50	117	64	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.54	75	388	N.D.		
39) Benzene	4.82	78	370	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.68	130	540	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0315008.D 8260B.M wed Mar 15 13:23:35 2006

*for 3/15/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315008.D  
 Acq On : 15 Mar 2006 11:43  
 Sample : JPL02-007 MW-25-3  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 13:23 2006

Vial: 15  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.90	83	151		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	6.30	83	159		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	7.15	92	662		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	7.72	166	568		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	8.59	112	613		N.D.	
62) Ethylbenzene	8.74	91	1344		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	1405		N.D.	
65) o-xylene	9.24	106	432		N.D.	
66) Styrene	9.27	104	596		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.64	105	1096		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.04	120	372		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.88	156	238		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.10	91	891		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	887		N.D.	
78) 4-Chlorotoluene	10.21	91	1265		N.D.	
79) tert-Butylbenzene	10.54	119	819		N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	1126		N.D.	
81) sec-butylbenzene	10.75	105	1310		N.D.	
82) 4-Isopropyltoluene	10.92	119	1774		N.D.	
83) 1,3-Dichlorobenzene	10.83	111	298		N.D.	
84) 1,4-Dichlorobenzene	10.83	146	891		N.D.	
85) n-Butylbenzene	11.31	91	1844		N.D.	
86) 1,2-Dichlorobenzene	11.27	146	734		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	834		N.D.	
89) Hexachlorobutadiene	13.06	225	575		N.D.	
90) Naphthalene	13.09	128	1199		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	611		N.D.	



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315008.D                   Vial: 15  
Acq On    : 15 Mar 2006 11:43                   Operator: JMD  
Sample    : JPL02-007 MW-25-3                  Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)              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

\*\*\*\*\*  
Y0315008.D 8260B.M    Wed Mar 15 13:24:03 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-2

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0315009.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/15/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-2

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0315009.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/15/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315009.D Vial: 16  
 Acq On : 15 Mar 2006 12:08 Operator: JMD  
 Sample : JPL02-008 MW-25-2 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 13:24 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	625927	50.00	ug/l	0.00 93.66%
50) Chlorobenzene-d5	8.56	82	306652	50.00	ug/l	0.00 90.39%
69) 1,4-Dichlorobenzene-d4	10.90	152	310876	50.00	ug/l	0.00 71.02%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	182824	46.37	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.75	65	182439	48.35	ug/l	0.00
51) Toluene-d8	7.08	98	591426	47.62	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	281685	54.89	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	1.89	76	1552	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		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.		
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	4.06	83	1020	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	4.54	75	268	N.D.		
39) Benzene	4.80	78	135	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.68	130	1256	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0315009.D 8260B.M Wed Mar 15 13:24:50 2006

## Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315009.D  
 Acq On : 15 Mar 2006 12:08  
 Sample : JPL02-008 MW-25-2  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 13:24 2006

Vial: 16  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.89	83	172		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	7.15	92	467		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	7.72	166	404		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	8.59	112	477		N.D.	
62) Ethylbenzene	8.74	91	1026		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-xylene	8.86	106	1105		N.D.	
65) o-xylene	9.24	106	459		N.D.	
66) Styrene	9.26	104	274		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	762		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.04	120	304		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.89	156	62		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.10	91	669		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	718		N.D.	
78) 4-Chlorotoluene	10.21	91	805		N.D.	
79) tert-Butylbenzene	10.54	119	630		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	764		N.D.	
81) sec-butylbenzene	10.76	105	1399		N.D.	
82) 4-Isopropyltoluene	10.91	119	1388		N.D.	
83) 1,3-Dichlorobenzene	10.83	111	151		N.D.	
84) 1,4-Dichlorobenzene	10.92	146	646		N.D.	
85) n-Butylbenzene	11.31	91	1544		N.D.	
86) 1,2-Dichlorobenzene	11.27	146	472		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	564		N.D.	
89) Hexachlorobutadiene	13.06	225	517		N.D.	
90) Naphthalene	13.09	128	635		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	330		N.D.	

(#) = qualifier out of range (m) = manual integration  
 Y0315009.D 8260B.M wed Mar 15 13:24:51 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315009.D           Vial: 16  
Acq On    : 15 Mar 2006 12:08                   Operator: JMD  
Sample    : JPL02-008 MW-25-2                 Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)             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

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Y0315009.D 8260B.M    wed Mar 15 13:25:02 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-1

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0315010.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/15/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25-1

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0315010.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/15/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315010.D Vial: 17  
 Acq On : 15 Mar 2006 12:33 Operator: JMD  
 Sample : JPL02-009 MW-25-1 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 13:25 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	616458	50.00	ug/l	0.00 92.24%
50) Chlorobenzene-d5	8.56	82	300498	50.00	ug/l	0.00 88.57%
69) 1,4-Dichlorobenzene-d4	10.90	152	299552	50.00	ug/l	0.00 68.43%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	181158	46.65	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	180001	48.44	ug/l	0.00
51) Toluene-d8	7.08	98	581018	47.74	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	272445	55.10	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	1.89	76	977	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.		
27) 2-Butanone	3.69	43	61	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	4.06	83	518	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	4.55	75	53	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	57	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0315010.D 8260B.M Wed Mar 15 13:25:51 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315010.D  
 Acq On : 15 Mar 2006 12:33  
 Sample : JPL02-009 MW-25-1  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 13:25 2006

Vial: 17  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.90	83	119		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	7.14	92	434		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	368		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	8.59	112	173		N.D.	
62) Ethylbenzene	8.74	91	916		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	890		N.D.	
65) o-xylene	9.24	106	241		N.D.	
66) Styrene	9.27	104	257		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	622		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.77	83	139		N.D.	
72) n-Propylbenzene	10.03	120	129		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.10	91	460		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	605		N.D.	
78) 4-Chlorotoluene	10.21	91	640		N.D.	
79) tert-Butylbenzene	10.54	119	440		N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	607		N.D.	
81) sec-butylbenzene	10.75	105	820		N.D.	
82) 4-Isopropyltoluene	10.91	119	1182		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	560		N.D.	
85) n-Butylbenzene	11.31	91	1423		N.D.	
86) 1,2-Dichlorobenzene	11.28	146	160		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	467		N.D.	
89) Hexachlorobutadiene	13.06	225	288		N.D.	
90) Naphthalene	13.09	128	522		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	314		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315010.D                   Vial: 17  
Acq On    : 15 Mar 2006 12:33                   Operator: JMD  
Sample    : JPL02-009 MW-25-1                  Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)              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

\*\*\*\*\*  
Y0315010.D 8260B.M Wed Mar 15 13:26:00 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-4-31306

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0315011.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/15/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-4-31306

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0315011.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/15/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315011.D Vial: 18  
 Acq On : 15 Mar 2006 12:58 Operator: JMD  
 Sample : JPL02-010 EB-4-31306 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 13:26 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	616871	50.00	ug/l	0.00 92.31%
50) Chlorobenzene-d5	8.56	82	310199	50.00	ug/l	0.00 91.43%
69) 1,4-Dichlorobenzene-d4	10.90	152	316748	50.00	ug/l	0.00 72.36%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.30	111	177097	45.58	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	180427	48.52	ug/l	0.00
51) Toluene-d8	7.08	98	594627	47.33	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	285823	54.67	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	1.80	43	4691	2.70	ug/l #	88
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.89	76	699	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.06	83	1044	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	4.36	56	53	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0315011.D 8260B.M wed Mar 15 13:26:49 2006

## Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315011.D  
 Acq On : 15 Mar 2006 12:58  
 Sample : JPL02-010 EB-4-31306  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 15 13:26 2006

Vial: 18  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.14	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	7.72	166	123		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	8.59	112	292		N.D.	
62) Ethylbenzene	8.73	91	552		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	660		N.D.	
65) o-xylene	9.25	106	71		N.D.	
66) Styrene	9.27	104	61		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	615		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.05	120	198		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.10	91	373		N.D.	
77) 1,3,5-Trimethylbenzene	10.22	105	374		N.D.	
78) 4-Chlorotoluene	10.21	91	587		N.D.	
79) tert-Butylbenzene	10.54	119	429		N.D.	
80) 1,2,4-Trimethylbenzene	10.58	105	534		N.D.	
81) sec-butylbenzene	10.75	105	754		N.D.	
82) 4-Isopropyltoluene	10.91	119	1075		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.92	146	555		N.D.	
85) n-Butylbenzene	11.32	91	1056		N.D.	
86) 1,2-Dichlorobenzene	11.28	146	150		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	325		N.D.	
89) Hexachlorobutadiene	13.06	225	246		N.D.	
90) Naphthalene	13.08	128	436		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	291		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031506\Y0315011.D           Vial: 18  
Acq On    : 15 Mar 2006 12:58                   Operator: JMD  
Sample    : JPL02-010 EB-4-31306               Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)               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

\*\*\*\*\*  
Y0315011.D 8260B.M    Wed Mar 15 13:26:57 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-4-31306

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-011Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314012.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-4-31306

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-011Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0314012.DLevel: (low/med) LOWDate Received: 03/14/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/14/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314012.D Vial: 18  
 Acq On : 14 Mar 2006 12:50 Operator: JMD  
 Sample : JPL02-011 TB-4-3-13-06 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 13:10 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\030706\Y0307018.D (7 Mar 2006 16:06)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.21	96	595318	50.00	ug/l	0.00 89.08%
50) Chlorobenzene-d5	8.56	82	289576	50.00	ug/l	0.00 85.35%
69) 1,4-Dichlorobenzene-d4	10.90	152	351097	50.00	ug/l	0.00 80.21%
System Monitoring Compounds						
32) Dibromofluoromethane	4.30	111	174272	46.48	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.74	65	173770	48.42	ug/l	0.00
51) Toluene-d8	7.08	98	553890	47.23	ug/l	0.00
70) 4-Bromofluorobenzene	9.76	95	281299	48.54	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	1.89	76	602	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.13	84	1586	Below Cal	#	85
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.		
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	4.52	75	361	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	5.68	130	139	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0314012.D 8260B.M Tue Mar 14 13:10:37 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314012.D  
 Acq On : 14 Mar 2006 12:50  
 Sample : JPL02-011 TB-4-3-13-06  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 14 13:10 2006

Vial: 18  
 Operator: JMD  
 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 Mar 09 14:57:19 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.15	92	142		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	7.72	166	116		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	8.59	112	123		N.D.	
62) Ethylbenzene	8.73	91	365		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.86	106	294		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.26	104	63		N.D.	
67) Bromoform	0.00	173	0		N.D.	d
68) Isopropylbenzene	9.63	105	403		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.04	120	133		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.89	156	59		N.D.	
75) 1,2,3-Trichloropropane	9.76	110	65		N.D.	
76) 2-Chlorotoluene	10.10	91	206		N.D.	
77) 1,3,5-Trimethylbenzene	10.23	105	577		N.D.	
78) 4-Chlorotoluene	10.21	91	603		N.D.	
79) tert-Butylbenzene	10.54	119	363		N.D.	
80) 1,2,4-Trimethylbenzene	10.59	105	506		N.D.	
81) sec-butylbenzene	10.75	105	679		N.D.	
82) 4-Isopropyltoluene	10.91	119	1091		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.93	146	593		N.D.	
85) n-Butylbenzene	11.31	91	1015		N.D.	
86) 1,2-Dichlorobenzene	11.27	146	286		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.86	180	476		N.D.	
89) Hexachlorobutadiene	13.06	225	275		N.D.	
90) Naphthalene	13.09	128	406		N.D.	
91) 1,2,3-Trichlorobenzene	13.33	180	380		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031406\Y0314012.D           Vial: 18  
Acq On    : 14 Mar 2006 12:50                   Operator: JMD  
Sample    : JPL02-011 TB-4-3-13-06           Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)           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

\*\*\*\*\*  
Y0314012.D 8260B.M    Wed Mar 15 12:23:10 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-18-5

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317010.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-18-5

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317010.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317010.D  
 Acq On : 17 Mar 2006 14:20  
 Sample : JPL02-012 MW-18-5  
 Misc : 5mL+IS/SS #2  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 14:55 2006

Vial: 18  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	879165	50.00	ug/l	0.00 100.26%
50) Chlorobenzene-d5	8.54	82	300978	50.00	ug/l	0.00 100.85%
69) 1,4-Dichlorobenzene-d4	10.88	152	302907	50.00	ug/l	0.00 96.07%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	240003	49.64	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	241451	50.64	ug/l	0.00
51) Toluene-d8	7.05	98	783990	50.78	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	259059	51.85	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	1.79	43	886	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	1435	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.34	53	3463	1.94 ug/l		99
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.		
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	4.79	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0317010.D 8260B.M Fri Mar 17 14:55:17 2006



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317010.D  
 Acq On : 17 Mar 2006 14:20  
 Sample : JPL02-012 MW-18-5  
 Misc : 5mL+IS/SS #2  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 14:55 2006

Vial: 18  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.86	83	76		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	725		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	354		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	8.57	112	153		N.D.	
62) Ethylbenzene	8.71	91	1645		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-xylene	8.84	106	869		N.D.	
65) o-xylene	9.23	106	101		N.D.	
66) Styrene	9.24	104	2569		N.D.	
67) Bromoform	9.39	173	78		N.D.	
68) Isopropylbenzene	9.60	105	788		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	151		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	361		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	457		N.D.	
78) 4-Chlorotoluene	10.07	91	361		N.D.	
79) tert-Butylbenzene	10.51	119	437		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	607		N.D.	
81) sec-butylbenzene	10.73	105	1106		N.D.	
82) 4-Isopropyltoluene	10.89	119	1070		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	659		N.D.	
85) n-Butylbenzene	11.29	91	1203		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	353		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	621	Below	Cal	96
89) Hexachlorobutadiene	13.04	225	383	Below	Cal	97
90) Naphthalene	13.06	128	927		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	442	Below	Cal #	84

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317010.D                   Vial: 18  
Acq On    : 17 Mar 2006  14:20                   Operator: JMD  
Sample    : JPL02-012 MW-18-5                   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

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Y0317010.D  8260B.M    Mon Mar 20 12:07:35 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-18-4

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317011.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		1.4	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		3.6	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		1.1	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.6	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-18-4

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317011.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317011.D  
 Acq On : 17 Mar 2006 14:44  
 Sample : JPL02-013 MW-18-4  
 Misc : 5mL+IS/SS #2  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 15:22 2006

Vial: 19  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	901181	50.00	ug/l	0.00 102.77%
50) Chlorobenzene-d5	8.54	82	309131	50.00	ug/l	0.00 103.58%
69) 1,4-Dichlorobenzene-d4	10.87	152	312498	50.00	ug/l	0.00 99.11%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	244851	49.40	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.71	65	245517	50.24	ug/l	0.00
51) Toluene-d8	7.05	98	802830	50.63	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	270127	52.41	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	1.78	43	305	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.89	76	3099	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	147	Below Cal	#	40
19) Methyl tert-butyl ether	0.00	73	0	N.D.		
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.		
21) Acrylonitrile	2.34	53	58	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.		
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	13623	1.36 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	4.50	117	24052	3.59 ug/l	✓	100
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.51	75	63	N.D.		
39) Benzene	4.78	78	155	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	7514	1.15 ug/l	✓	99

(#) = qualifier out of range (m) = manual integration  
 Y0317011.D 8260B.M Fri Mar 17 15:22:40 2006

*Handwritten signature and date: 3/17/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317011.D  
 Acq On : 17 Mar 2006 14:44  
 Sample : JPL02-013 MW-18-4  
 Misc : 5mL+IS/SS #2  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 15:22 2006

Vial: 19  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	493		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	3895	0.57	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	8.57	112	219		N.D.	
62) Ethylbenzene	8.72	91	726		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-xylene	8.83	106	938		N.D.	
65) o-xylene	9.23	106	284		N.D.	
66) Styrene	9.24	104	543		N.D.	
67) Bromoform	9.39	173	70		N.D.	
68) Isopropylbenzene	9.60	105	542		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.01	120	213		N.D.	
73) trans-1,4-dichloro-2-buten	0.00	53	0		N.D.	
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	455		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	535		N.D.	
78) 4-Chlorotoluene	10.18	91	644		N.D.	
79) tert-Butylbenzene	10.51	119	501		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	543		N.D.	
81) sec-butylbenzene	10.74	105	853		N.D.	
82) 4-Isopropyltoluene	10.88	119	1118		N.D.	
83) 1,3-Dichlorobenzene	10.81	111	126		N.D.	
84) 1,4-Dichlorobenzene	10.80	146	432		N.D.	
85) n-Butylbenzene	11.28	91	1313		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	277		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	655	Below	Cal #	73
89) Hexachlorobutadiene	13.03	225	401	Below	Cal #	80
90) Naphthalene	13.06	128	617		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	405	Below	Cal #	81

*Handwritten:* 2/17/06

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317011.D Vial: 19  
Acq On : 17 Mar 2006 14:44 Operator: JMD  
Sample : JPL02-013 MW-18-4 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

\*\*\*\*\*  
Y0317011.D 8260B.M Mon Mar 20 12:07:45 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-18-3

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317012.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		1.1	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		3.5	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.7	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.3	J
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-18-3

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317012.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317012.D  
 Acq On : 17 Mar 2006 15:09  
 Sample : JPL02-014 MW-18-3  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 15:26 2006

Vial: 20  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	903927	50.00	ug/l	0.00 103.08%
50) Chlorobenzene-d5	8.55	82	317465	50.00	ug/l	0.00 106.37%
69) 1,4-Dichlorobenzene-d4	10.88	152	334386	50.00	ug/l	0.00 106.05%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	247287	49.74	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	248403	50.68	ug/l	0.00
51) Toluene-d8	7.05	98	817920	50.23	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	280061	50.78	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )	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	1.76	101	391	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	1.89	76	2960	N.D.			
15) Acetonitrile	0.00	40	0	N.D.	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	123	N.D.			
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.			
21) Acrylonitrile	2.35	53	114	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.			
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	10511	1.05	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	4.49	117	23570	3.51	ug/l	✓	98
36) Methyl methacrylate	0.00	41	0	N.D.			
37) 1,1-Dichloropropene	0.00	75	0	N.D.			
39) Benzene	4.79	78	63	N.D.			
40) 1,2-Dichloroethane	0.00	62	0	N.D.			
41) Isobutanol	0.00	43	0	N.D.			
42) Trichloroethene	5.65	130	4304	0.66	ug/l	✓	95

(#) = qualifier out of range (m) = manual integration  
 Y0317012.D 8260B.M Fri Mar 17 15:26:17 2006

*JMD*  
 3/17/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317012.D  
 Acq On : 17 Mar 2006 15:09  
 Sample : JPL02-014 MW-18-3  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 15:26 2006

Vial: 20  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43) Methylcyclohexane	5.85	83	53	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	6.28	83	199	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	518	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	1904	0.27 ug/l	91
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	8.57	112	129	N.D.	
62) Ethylbenzene	8.71	91	748	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.84	106	1063	N.D.	
65) o-xylene	9.23	106	170	N.D.	
66) Styrene	9.24	104	369	N.D.	
67) Bromoform	9.39	173	190	N.D.	
68) Isopropylbenzene	9.61	105	388	N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
72) n-Propylbenzene	10.03	120	59	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
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	263	N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	503	N.D.	
78) 4-Chlorotoluene	10.18	91	603	N.D.	
79) tert-Butylbenzene	10.51	119	367	N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	537	N.D.	
81) sec-butylbenzene	10.73	105	808	N.D.	
82) 4-Isopropyltoluene	10.90	119	1087	N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0	N.D. d	
84) 1,4-Dichlorobenzene	10.90	146	572	N.D.	
85) n-Butylbenzene	11.29	91	1246	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	316	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	622	N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0	N.D. d	

Handwritten notes: *91* (next to 56), *m 3/17/06* (next to 60)

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317012.D           Vial: 20  
Acq On    : 17 Mar 2006 15:09                   Operator: JMD  
Sample    : JPL02-014 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

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Y0317012.D 8260B.M    Mon Mar 20 12:07:54 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-18-2

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317013.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-18-2

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317013.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317013.D  
 Acq On : 17 Mar 2006 15:34  
 Sample : JPL02-015 MW-18-2  
 Misc : 5mL+IS/SS #1

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

MS Integration Params: rteint.p  
 Quant Time: Mar 17 16:14 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
1) Fluorobenzene	5.19	96	912625	50.00	ug/l	0.00	104.08%
50) Chlorobenzene-d5	8.55	82	320519	50.00	ug/l	0.00	107.40%
69) 1,4-Dichlorobenzene-d4	10.87	152	335183	50.00	ug/l	0.00	106.31%
System Monitoring Compounds							
32) Dibromofluoromethane	4.27	111	246357	49.08	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	248845	50.28	ug/l	0.00	
51) Toluene-d8	7.05	98	821217	49.95	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	279000	50.46	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	1.79	43	842	Below Cal			# 40
12) Iodomethane	0.00	142	0	N.D.			
13) Bromoethane	0.00	108	0	N.D.			
14) Carbon Disulfide	1.90	76	2422	N.D.			
15) Acetonitrile	0.00	40	0	N.D.			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	2.35	53	191	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.			
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	581	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.			

(#) = qualifier out of range (m) = manual integration  
 Y0317013.D 8260B.M Fri Mar 17 16:14:20 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317013.D  
 Acq On : 17 Mar 2006 15:34  
 Sample : JPL02-015 MW-18-2  
 Misc : 5mL+IS/SS #1  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 16:14 2006

Vial: 21  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	452		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	346		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	8.57	112	146		N.D.	
62) Ethylbenzene	8.72	91	805		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	838		N.D.	
65) o-xylene	9.23	106	142		N.D.	
66) Styrene	9.24	104	349		N.D.	
67) Bromoform	9.40	173	80		N.D.	
68) Isopropylbenzene	9.61	105	451		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.01	120	247		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	374		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	450		N.D.	
78) 4-Chlorotoluene	10.18	91	583		N.D.	
79) tert-Butylbenzene	10.51	119	235		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	526		N.D.	
81) sec-butylbenzene	10.74	105	853		N.D.	
82) 4-Isopropyltoluene	10.89	119	946		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	595		N.D.	
85) n-Butylbenzene	11.29	91	1218		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	252		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	594	Below Cal	#	73
89) Hexachlorobutadiene	13.04	225	342	Below Cal	#	76
90) Naphthalene	13.05	128	489		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	348	Below Cal	#	79



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317013.D                    vial: 21  
Acq On    : 17 Mar 2006 15:34                                    Operator: JMD  
Sample    : JPL02-015 MW-18-2                                   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

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Y0317013.D 8260B.M    Mon Mar 20 12:08:04 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-5-31406

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-016Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317014.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-5-31406

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-016Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317014.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317014.D Vial: 22  
 Acq On : 17 Mar 2006 15:58 Operator: JMD  
 Sample : JPL02-016 EB-5-31406 Inst : yoda  
 Misc : 5mL+IS/SS #1 Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 16:16 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	903803	50.00	ug/l	0.00 103.07%
50) Chlorobenzene-d5	8.54	82	307129	50.00	ug/l	0.00 102.91%
69) 1,4-Dichlorobenzene-d4	10.87	152	307051	50.00	ug/l	0.00 97.38%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	246786	49.65	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	245407	50.07	ug/l	0.00
51) Toluene-d8	7.05	98	798880	50.71	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	261486	51.63	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.93	50	64	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	8730	4.57	ug/l	92
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	800	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.04	83	922	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	4.32	56	1715	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.51	75	61	N.D.		
39) Benzene	4.79	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.		

Handwritten notes: ✓ 92, 3/17/06

## Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317014.D  
 Acq On : 17 Mar 2006 15:58  
 Sample : JPL02-016 EB-5-31406  
 Misc : 5mL+IS/SS #1  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 16:16 2006

Vial: 22  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	92	198		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	187		N.D.	
57) 2-Hexanone	7.89	43	84		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	8.57	112	244		N.D.	
62) Ethylbenzene	8.72	91	383		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	456		N.D.	
65) o-xylene	9.23	106	78		N.D.	
66) Styrene	9.24	104	121		N.D.	
67) Bromoform	9.39	173	126		N.D.	
68) Isopropylbenzene	9.61	105	356		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.01	120	69		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	223		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	259		N.D.	
78) 4-Chlorotoluene	10.19	91	381		N.D.	
79) tert-Butylbenzene	10.51	119	312		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	429		N.D.	
81) sec-butylbenzene	10.74	105	577		N.D.	
82) 4-Isopropyltoluene	10.89	119	910		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	525		N.D.	
85) n-Butylbenzene	11.29	91	962		N.D.	
86) 1,2-Dichlorobenzene	11.25	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.	d
90) Naphthalene	0.00	128	0		N.D.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317014.D                   Vial: 22  
Acq On    : 17 Mar 2006 15:58                   Operator: JMD  
Sample    : JPL02-016 EB-5-31406               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

\*\*\*\*\*  
Y0317014.D 8260B.M    Mon Mar 20 12:08:13 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-5-31406

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-017Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317008.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-5-31406

Lab Name: Laucks Testing LabsSDG No.: JPL02Matrix: (soil/water) WATERLab Sample ID: JPL02-017Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317008.DLevel: (low/med) LOWDate Received: 03/15/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317008.D Vial: 16  
 Acq On : 17 Mar 2006 13:30 Operator: JMD  
 Sample : JPL02-017 TB-5-31406 Inst : yoda  
 Misc : 5mL+IS/SS #2 Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 13:56 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.18	96	898141	50.00	ug/l	0.00	102.43%
50) Chlorobenzene-d5	8.54	82	309578	50.00	ug/l	0.00	103.73%
69) 1,4-Dichlorobenzene-d4	10.87	152	314132	50.00	ug/l	0.00	99.63%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
32) Dibromofluoromethane	4.27	111	244210	49.44	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	244683	50.24	ug/l	0.00	
51) Toluene-d8	7.05	98	804572	50.67	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	270170	52.14	ug/l	0.00	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.93	50	469	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	2150	Below Cal	#	74
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	1093	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.12	84	1295	Below Cal		96
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.		
27) 2-Butanone	3.66	43	118	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	4.50	75	142	N.D.		
39) Benzene	4.79	78	145	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0317008.D 8260B.M Fri Mar 17 13:56:53 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317008.D  
 Acq On : 17 Mar 2006 13:30  
 Sample : JPL02-017 TB-5-31406  
 Misc : 5mL+IS/SS #2  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 13:56 2006

Vial: 16  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.86	83	222		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	409		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	301		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	8.57	112	339		N.D.	
62) Ethylbenzene	8.72	91	864		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	622		N.D.	
65) o-xylene	9.22	106	80		N.D.	
66) Styrene	9.24	104	165		N.D.	
67) Bromoform	9.40	173	125		N.D.	
68) Isopropylbenzene	9.61	105	866		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.01	120	312		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.86	156	66		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.18	91	848		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	968		N.D.	
78) 4-Chlorotoluene	10.18	91	848		N.D.	
79) tert-Butylbenzene	10.51	119	694		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	864		N.D.	
81) sec-butylbenzene	10.73	105	1308		N.D.	
82) 4-Isopropyltoluene	10.90	119	1371		N.D.	
83) 1,3-Dichlorobenzene	10.81	111	209		N.D.	
84) 1,4-Dichlorobenzene	10.81	146	748		N.D.	
85) n-Butylbenzene	11.29	91	1806		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	427		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.84	180	914	Below	Cal #	89
89) Hexachlorobutadiene	13.03	225	762	Below	Cal #	73
90) Naphthalene	13.06	128	1271		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	701	Below	Cal #	76

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317008.D                   Vial: 16  
Acq On    : 17 Mar 2006 13:30                   Operator: JMD  
Sample    : JPL02-017 TB-5-31406               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

\*\*\*\*\*  
Y0317008.D 8260B.M    Mon Mar 20 12:07:17 2006

**Metals Data**

**JPL02**

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS

SDG No.: JPL02

SOW No.: \_\_\_\_\_

Sample No.	Lab Sample ID
<u>EB-3-31006</u>	<u>JPL02-003</u>
<u>EB-4-31306</u>	<u>JPL02-010</u>
<u>EB-5-31406</u>	<u>JPL02-016</u>
<u>MW-18-2</u>	<u>JPL02-015</u>
<u>MW-18-3</u>	<u>JPL02-014</u>
<u>MW-18-4</u>	<u>JPL02-013</u>
<u>MW-25-1</u>	<u>JPL02-009</u>
<u>MW-25-2</u>	<u>JPL02-008</u>
<u>MW-25-3</u>	<u>JPL02-007</u>
<u>MW-25-4</u>	<u>JPL02-006</u>
<u>MW-25-5</u>	<u>JPL02-005</u>
<u>MW-26-1</u>	<u>JPL02-002</u>
<u>MW-26-2</u>	<u>JPL02-001</u>
<u>MW-26-2MS</u>	<u>JPL02-001MS</u>
<u>MW-26-2MSD</u>	<u>JPL02-001MSD</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 L. Ancona*

Name: Jennifer L. Ancona

Date: 4/7/06

Title: Chemist

## **Metals Analysis Data Sheets**

INORGANIC ANALYSES DATA SHEET

MW-26-2

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02

Run Sequence ID: R005936

Matrix (soil/water): Water

Lab Sample ID: JPL02-001

Level (low/med): LOW

Date Received: 03/11/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.85			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-26-1
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS    SDG No.: JPL02

Run Sequence ID: R005823

Matrix (soil/water): Water

Lab Sample ID: JPL02-002

Level (low/med): LOW

Date Received: 03/11/2006

% Solids: \_\_\_\_\_

Concentration Units :            ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White            Clarity Before: Clear            Texture: \_\_\_\_\_

Color After: Colorless            Clarity After: Clear            Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-3-31006

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02

Run Sequence ID: R005936

Matrix (soil/water): Water

Lab Sample ID: JPL02-003

Level (low/med): LOW

Date Received: 03/11/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.25			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## INORGANIC ANALYSES DATA SHEET

MW-25-5

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02Run Sequence ID: R005823Matrix (soil/water): WaterLab Sample ID: JPL02-005Level (low/med): LOWDate Received: 03/14/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_Color After: Colorless Clarity After: Clear Artifacts: No
 Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-25-4
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02

Run Sequence ID: R005823

Matrix (soil/water): Water

Lab Sample ID: JPL02-006

Level (low/med): LOW

Date Received: 03/14/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.32			

Color Before: White 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 Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02

Run Sequence ID: R005823

Matrix (soil/water): Water

Lab Sample ID: JPL02-007

Level (low/med): LOW

Date Received: 03/14/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	3.92			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-25-2
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02

Run Sequence ID: R005823

Matrix (soil/water): Water

Lab Sample ID: JPL02-008

Level (low/med): LOW

Date Received: 03/14/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.32			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## INORGANIC ANALYSES DATA SHEET

MW-25-1

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02Run Sequence ID: R005823Matrix (soil/water): WaterLab Sample ID: JPL02-009Level (low/med): LOWDate Received: 03/14/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.27			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_Color After: Colorless Clarity After: Clear Artifacts: No
 Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-4-31306

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02

Run Sequence ID: R005823

Matrix (soil/water): Water

Lab Sample ID: JPL02-010

Level (low/med): LOW

Date Received: 03/14/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	3.92			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-18-4
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS    SDG No.: JPL02

Run Sequence ID: R005823

Matrix (soil/water): Water

Lab Sample ID: JPL02-013

Level (low/med): LOW

Date Received: 03/15/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.81			

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



INORGANIC ANALYSES DATA SHEET

MW-18-3
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02

Run Sequence ID: R005823

Matrix (soil/water): Water

Lab Sample ID: JPL02-014

Level (low/med): LOW

Date Received: 03/15/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.36			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-18-2
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02

Run Sequence ID: R005823

Matrix (soil/water): Water

Lab Sample ID: JPL02-015

Level (low/med): LOW

Date Received: 03/15/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-5-31406

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL02

Run Sequence ID: R005823

Matrix (soil/water): Water

Lab Sample ID: JPL02-016

Level (low/med): LOW

Date Received: 03/15/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	4.86			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Miscellaneous Inorganic Data**

**JPL02**

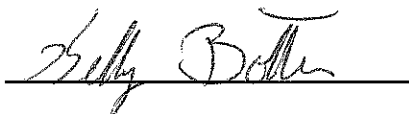
**Laucks Testing Laboratories**  
**Cover Page - Analysis Data Package**

Lab Code: LAUCKS

SDG Number: JPL02

Client Sample Identification	Lab Sample Identification
MW-26-2	JPL02-001DL1
MW-26-1	JPL02-002DL1
EB-3-31006	JPL02-003
MW-25-5	JPL02-005DL1
MW-25-4	JPL02-006DL1
MW-25-3	JPL02-007DL1
MW-25-2	JPL02-008DL1
MW-25-1	JPL02-009DL1
EB-4-31306	JPL02-010
MW-18-5	JPL02-012DL1
MW-18-4	JPL02-013DL1
MW-18-3	JPL02-014DL1
MW-18-2	JPL02-015DL1
EB-5-31406	JPL02-016

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: Kelly Botten  
 Date: March 23, 2006 Title: Department Manager

## **Inorganic Analysis Data Sheets**

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-26-2 Date/Time Collected: 03/10/2006 07:39  
Lab Sample ID: JPL02-001 Date/Time Received: 03/11/2006 09:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0 U	4.0	0.80	03/15/2006	03/16/2006	R005480

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-26-1 Date/Time Collected: 03/10/2006 08:19  
Lab Sample ID: JPL02-002 Date/Time Received: 03/11/2006 09:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.0 U	4.0	0.80	03/15/2006	03/16/2006	R005480



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: EB-3-31006 Date/Time Collected: 03/10/2006 08:35  
Lab Sample ID: JPL02-003 Date/Time Received: 03/11/2006 09:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0 U	1.0	0.20	03/15/2006	03/16/2006	R005480

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-25-5 Date/Time Collected: 03/13/2006 07:47  
Lab Sample ID: JPL02-005 Date/Time Received: 03/14/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0 U	2.0	0.40	03/15/2006	03/16/2006	R005480

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-25-4 Date/Time Collected: 03/13/2006 08:23  
Lab Sample ID: JPL02-006 Date/Time Received: 03/14/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	7.4	4.0	0.80	03/15/2006	03/16/2006	R005480

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-25-3 Date/Time Collected: 03/13/2006 08:57  
Lab Sample ID: JPL02-007 Date/Time Received: 03/14/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	9.7	4.0	0.80	03/15/2006	03/16/2006	R005480

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-25-2 Date/Time Collected: 03/13/2006 09:30  
Lab Sample ID: JPL02-008 Date/Time Received: 03/14/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	13	4.0	0.80	03/15/2006	03/16/2006	R005480

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-25-1 Date/Time Collected: 03/13/2006 10:05  
Lab Sample ID: JPL02-009 Date/Time Received: 03/14/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	6.2	4.0	0.80	03/15/2006	03/16/2006	R005480

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: EB-4-31306 Date/Time Collected: 03/13/2006 09:58  
Lab Sample ID: JPL02-010 Date/Time Received: 03/14/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0 U	1.0	0.20	03/15/2006	03/16/2006	R005480

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-18-5 Date/Time Collected: 03/14/2006 08:09  
Lab Sample ID: JPL02-012 Date/Time Received: 03/15/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0 U	2.0	0.40	03/21/2006	03/22/2006	R005661



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-18-4 Date/Time Collected: 03/14/2006 08:40  
Lab Sample ID: JPL02-013 Date/Time Received: 03/15/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	11	2.0	0.40	03/21/2006	03/22/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-18-3 Date/Time Collected: 03/14/2006 09:15  
Lab Sample ID: JPL02-014 Date/Time Received: 03/15/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	16	4.0	0.80	03/21/2006	03/22/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: MW-18-2 Date/Time Collected: 03/14/2006 09:48  
Lab Sample ID: JPL02-015 Date/Time Received: 03/15/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	2.0 U	2.0	0.40	03/21/2006	03/22/2006	R005661

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL02  
Sample Number: EB-5-31406 Date/Time Collected: 03/14/2006 10:10  
Lab Sample ID: JPL02-016 Date/Time Received: 03/15/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1	1.0 U	1.0	0.20	03/21/2006	03/22/2006	R005661

**SAMPLE DATA**

SDG # JPL03

Volatiles Analysis

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-22-3

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317015.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-22-3

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317015.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317015.D  
 Acq On : 17 Mar 2006 16:23  
 Sample : JPL03-001 MW-22-3  
 Misc : 5mL+IS/SS #2  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:42 2006

Vial: 23  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.18	96	878249	50.00	ug/l	0.00 100.16%
50) Chlorobenzene-d5	8.54	82	303852	50.00	ug/l	0.00 101.81%
69) 1,4-Dichlorobenzene-d4	10.87	152	308740	50.00	ug/l	0.00 97.92%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	237588	49.19	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.71	65	239130	50.21	ug/l	0.00
51) Toluene-d8	7.05	98	783699	50.28	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	257800	50.62	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	781	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	825	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	68	Below Cal	#	1
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	587	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) 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	997	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	266	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0317015.D 8260B.M Mon Mar 20 09:42:48 2006



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317015.D  
 Acq On : 17 Mar 2006 16:23  
 Sample : JPL03-001 MW-22-3  
 Misc : 5mL+IS/SS #2  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:42 2006

Vial: 23  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.87	83	69		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	6.57	63	293		N.D.	
47) Bromodichloromethane	6.27	83	59		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	7.13	92	509		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	630		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	8.57	112	65		N.D.	
62) Ethylbenzene	8.72	91	493		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	791		N.D.	
65) o-xylene	9.23	106	270		N.D.	
66) Styrene	9.24	104	224		N.D.	
67) Bromoform	9.39	173	54		N.D.	
68) Isopropylbenzene	9.61	105	307		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.21	120	75		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	131		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	329		N.D.	
78) 4-Chlorotoluene	10.19	91	269		N.D.	
79) tert-Butylbenzene	10.52	119	279		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	289		N.D.	
81) sec-butylbenzene	10.73	105	500		N.D.	
82) 4-Isopropyltoluene	10.89	119	759		N.D.	
83) 1,3-Dichlorobenzene	10.81	111	523		N.D.	
84) 1,4-Dichlorobenzene	10.81	146	1768		N.D.	
85) n-Butylbenzene	11.29	91	886		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	673		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	570	Below Cal	#	93
89) Hexachlorobutadiene	13.03	225	241	Below Cal	#	53
90) Naphthalene	13.06	128	347		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	781	Below Cal	#	90

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317015.D                    Via1: 23  
Acq On    : 17 Mar 2006 16:23                                    Operator: JMD  
Sample    : JPL03-001 MW-22-3                                   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

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Y0317015.D 8260B.M     Mon Mar 20 12:08:23 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-22-2

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317016.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-22-2

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317016.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317016.D  
 Acq On : 17 Mar 2006 16:48  
 Sample : JPL03-002 MW-22-2  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:43 2006

Vial: 24  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	883108	50.00	ug/l	0.00 100.71%
50) Chlorobenzene-d5	8.54	82	306854	50.00	ug/l	0.00 102.82%
69) 1,4-Dichlorobenzene-d4	10.87	152	313273	50.00	ug/l	0.00 99.36%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	239558	49.32	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	243443	50.83	ug/l	0.00
51) Toluene-d8	7.05	98	792618	50.36	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	267298	51.73	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	1.79	43	843	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	721	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	151	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) 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	423	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	5.65	130	282	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0317016.D 8260B.M Mon Mar 20 09:43:39 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317016.D Vial: 24  
 Acq On : 17 Mar 2006 16:48 Operator: JMD  
 Sample : JPL03-002 MW-22-2 Inst : yoda  
 Misc : 5mL+IS/SS #3 Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:43 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	92	358		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	607		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	63		N.D.	
62) Ethylbenzene	8.71	91	485		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	703		N.D.	
65) o-xylene	9.23	106	140		N.D.	
66) Styrene	9.24	104	82		N.D.	
67) Bromoform	9.39	173	122		N.D.	
68) Isopropylbenzene	9.61	105	225		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	76		N.D.	
72) n-Propylbenzene	10.03	120	56		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.74	110	63		N.D.	
76) 2-Chlorotoluene	10.07	91	237		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	326		N.D.	
78) 4-Chlorotoluene	10.19	91	340		N.D.	
79) tert-Butylbenzene	10.51	119	206		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	223		N.D.	
81) sec-butylbenzene	10.73	105	530		N.D.	
82) 4-Isopropyltoluene	10.89	119	873		N.D.	
83) 1,3-Dichlorobenzene	10.81	111	237		N.D.	
84) 1,4-Dichlorobenzene	10.90	146	544		N.D.	
85) n-Butylbenzene	11.29	91	914		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	531		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	426	Below Cal	#	82
89) Hexachlorobutadiene	13.04	225	302	Below Cal	#	19
90) Naphthalene	13.06	128	401		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	573	Below Cal	#	80

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317016.D           Vial: 24  
Acq On    : 17 Mar 2006 16:48                   Operator: JMD  
Sample    : JPL03-002 MW-22-2                  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

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Y0317016.D 8260B.M    Mon Mar 20 12:09:38 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-22-1

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317017.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.3	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.7	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-22-1

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317017.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317017.D  
 Acq On : 17 Mar 2006 17:13  
 Sample : JPL03-003 MW-22-1  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:44 2006

Vial: 25  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.18	96	900969	50.00	ug/l	0.00 102.75%
50) Chlorobenzene-d5	8.55	82	314684	50.00	ug/l	0.00 105.44%
69) 1,4-Dichlorobenzene-d4	10.88	152	314851	50.00	ug/l	0.00 99.86%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
32) Dibromofluoromethane	4.27	111	239798	48.39	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	245540	50.26	ug/l	0.00
51) Toluene-d8	7.05	98	808356	50.08	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	266674	51.35	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	1.79	43	1464	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	640	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2192	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) 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	2569	0.26 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	4.79	78	55	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	1230	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0317017.D 8260B.M Mon Mar 20 09:44:55 2006

*JMD* 3/20/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317017.D  
 Acq On : 17 Mar 2006 17:13  
 Sample : JPL03-003 MW-22-1  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:44 2006

Vial: 25  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	155		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	174		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	4649	0.66	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	8.57	112	128		N.D.	
62) Ethylbenzene	8.71	91	428		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	430		N.D.	
65) o-xylene	9.22	106	57		N.D.	
66) Styrene	9.24	104	67		N.D.	
67) Bromoform	9.39	173	196		N.D.	
68) Isopropylbenzene	9.60	105	259		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	54		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	219		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	209		N.D.	
78) 4-Chlorotoluene	10.18	91	326		N.D.	
79) tert-Butylbenzene	10.51	119	303		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	385		N.D.	
81) sec-butylbenzene	10.73	105	487		N.D.	
82) 4-Isopropyltoluene	10.88	119	745		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	462		N.D.	
85) n-Butylbenzene	11.29	91	928		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	422		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

*pr 3/20/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317017.D            vial: 25  
Acq On    : 17 Mar 2006 17:13                            Operator: JMD  
Sample    : JPL03-003 MW-22-1                           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

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Y0317017.D 8260B.M    Mon Mar 20 12:09:47 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-6-31506

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317018.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-6-31506

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317018.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317018.D  
 Acq On : 17 Mar 2006 17:37  
 Sample : JPL03-004 EB-6-31506  
 Misc : 5mL+IS/SS #1  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:46 2006

Vial: 26  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	863526	50.00	ug/l	0.00 98.48%
50) Chlorobenzene-d5	8.55	82	298632	50.00	ug/l	0.00 100.06%
69) 1,4-Dichlorobenzene-d4	10.87	152	304411	50.00	ug/l	0.00 96.55%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
32) Dibromofluoromethane	4.27	111	235279	49.54	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	240340	51.32	ug/l	0.00
51) Toluene-d8	7.05	98	769198	50.22	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	255290	50.84	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	1.78	43	5941	2.75	ug/l	97
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	519	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.03	83	866	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	4.52	75	53	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	0.00	130	0	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0317018.D 8260B.M Mon Mar 20 09:46:31 2006

*Handwritten signature and date: 3/20/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317018.D      Vial: 26  
 Acq On : 17 Mar 2006 17:37      Operator: JMD  
 Sample : JPL03-004 EB-6-31506      Inst : yoda  
 Misc : 5mL+IS/SS #1      Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:46 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	109		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	8.56	112	133		N.D.	
62) Ethylbenzene	8.70	91	206		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	231		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	9.62	105	255		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	64		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	59		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	313		N.D.	
78) 4-Chlorotoluene	10.18	91	265		N.D.	
79) tert-Butylbenzene	10.51	119	55		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	335		N.D.	
81) sec-butylbenzene	10.73	105	412		N.D.	
82) 4-Isopropyltoluene	10.89	119	621		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	302		N.D.	
85) n-Butylbenzene	11.30	91	639		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	70		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



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317018.D            vial: 26  
Acq On    : 17 Mar 2006 17:37                            Operator: JMD  
Sample    : JPL03-004 EB-6-31506                        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

\*\*\*\*\*  
Y0317018.D 8260B.M    Mon Mar 20 12:09:56 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-6-31506

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317009.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-6-31506

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317009.DLevel: (low/med) LOWDate Received: 03/16/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317009.D  
 Acq On : 17 Mar 2006 13:55  
 Sample : JPL03-005 TB-6-31506  
 Misc : 5mL+IS/SS #1  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 14:53 2006

Vial: 17  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	878250	50.00	ug/l	0.00 100.16%
50) Chlorobenzene-d5	8.55	82	301169	50.00	ug/l	0.00 100.91%
69) 1,4-Dichlorobenzene-d4	10.87	152	302129	50.00	ug/l	0.00 95.82%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	240720	49.84	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	240633	50.53	ug/l	0.00
51) Toluene-d8	7.05	98	775957	50.23	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	260247	52.22	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )	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	830	Below Cal	#	40	
12) Iodomethane	0.00	142	0	N.D.			
13) Bromoethane	0.00	108	0	N.D.			
14) Carbon Disulfide	1.87	76	925	N.D.			
15) Acetonitrile	0.00	40	0	N.D.	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	459	Below Cal	#	71	
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.			
27) 2-Butanone	3.67	43	398	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	4.50	75	61	N.D.			
39) Benzene	4.79	78	111	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.			

(#) = qualifier out of range (m) = manual integration  
 Y0317009.D 8260B.M Fri Mar 17 14:53:46 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317009.D  
 Acq On : 17 Mar 2006 13:55  
 Sample : JPL03-005 TB-6-31506  
 Misc : 5mL+IS/SS #1  
 MS Integration Params: rteint.p  
 Quant Time: Mar 17 14:53 2006

Vial: 17  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.86	83	163		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	508		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	369		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	284		N.D.	
62) Ethylbenzene	8.72	91	664		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	514		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	244		N.D.	
67) Bromoform	9.40	173	120		N.D.	
68) Isopropylbenzene	9.61	105	717		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.01	120	134		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.86	156	68		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.18	91	752		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	549		N.D.	
78) 4-Chlorotoluene	10.18	91	752		N.D.	
79) tert-Butylbenzene	10.51	119	584		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	688		N.D.	
81) sec-butylbenzene	10.74	105	1197		N.D.	
82) 4-Isopropyltoluene	10.90	119	1328		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	185		N.D.	
84) 1,4-Dichlorobenzene	10.90	146	648		N.D.	
85) n-Butylbenzene	11.29	91	1601		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	413		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	690	Below Cal	#	88
89) Hexachlorobutadiene	13.03	225	613	Below Cal	#	84
90) Naphthalene	13.06	128	976		N.D.	
91) 1,2,3-Trichlorobenzene	13.29	180	459	Below Cal	#	90

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317009.D           Vial: 17  
Acq On    : 17 Mar 2006 13:55                   Operator: JMD  
Sample    : JPL03-005 TB-6-31506               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

\*\*\*\*\*  
Y0317009.D 8260B.M    Mon Mar 20 12:07:26 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4-3

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317023.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.4	J
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		2.3	
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.6	
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4-3

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317023.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317023.D  
 Acq On : 17 Mar 2006 19:41  
 Sample : JPL03-006 MW-4-3  
 Misc : 5mL+IS/SS #1  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:50 2006

Vial: 25  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	892754	50.00	ug/l	0.00 101.81%
50) Chlorobenzene-d5	8.55	82	309749	50.00	ug/l	0.00 103.79%
69) 1,4-Dichlorobenzene-d4	10.87	152	317439	50.00	ug/l	0.00 100.68%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	240454	48.97	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	245841	50.78	ug/l	0.00
51) Toluene-d8	7.05	98	794750	50.02	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	268209	51.22	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	0.99	62	528	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	3198	0.58	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	1452	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.34	53	2379	1.31	ug/l	97
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.		
27) 2-Butanone	0.00	43	0	N.D.		
28) Propionitrile	0.00	54	0	N.D.	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	4.51	75	214	N.D.		
39) Benzene	4.78	78	927	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0317023.D 8260B.M Mon Mar 20 09:51:02 2006

*Jm 2/20/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317023.D  
 Acq On : 17 Mar 2006 19:41  
 Sample : JPL03-006 MW-4-3  
 Misc : 5mL+IS/SS #1  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:50 2006

Vial: 25  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	5156	0.38 ug/l ✓	96
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	8.57	112	1036	N.D.	
62) Ethylbenzene	8.72	91	55389	2.32 ug/l ✓	99
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.83	106	1422	N.D.	
65) o-xylene	9.23	106	616	N.D.	
66) Styrene	9.24	104	8937	0.59 ug/l ✓	97
67) Bromoform	9.39	173	54	N.D.	
68) Isopropylbenzene	9.61	105	601	N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
72) n-Propylbenzene	10.02	120	152	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
74) Bromobenzene	0.00	156	0	N.D.	
75) 1,2,3-Trichloropropane	9.74	110	64	N.D.	
76) 2-Chlorotoluene	10.07	91	119	N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	295	N.D.	
78) 4-Chlorotoluene	10.18	91	158	N.D.	
79) tert-Butylbenzene	0.00	119	0	N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	418	N.D.	
81) sec-butylbenzene	10.73	105	569	N.D.	
82) 4-Isopropyltoluene	10.89	119	618	N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0	N.D. d	
84) 1,4-Dichlorobenzene	10.90	146	352	N.D.	
85) n-Butylbenzene	11.29	91	680	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	291	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	

*Jm 3/20/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317023.D           Vial: 25  
Acq On    : 17 Mar 2006 19:41                   Operator: JMD  
Sample    : JPL03-006 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

\*\*\*\*\*  
Y0317023.D 8260B.M    Mon Mar 20 12:11:41 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4-2

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317024.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.3	J
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.3	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.7	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.4	J
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4-2

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317024.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317024.D  
 Acq On : 17 Mar 2006 20:06  
 Sample : JPL03-007 MW-4-2  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:51 2006

Vial: 26  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.18	96	883946	50.00	ug/l	0.00 100.81%
50) Chlorobenzene-d5	8.54	82	313427	50.00	ug/l	0.00 105.02%
69) 1,4-Dichlorobenzene-d4	10.87	152	322681	50.00	ug/l	0.00 102.34%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	240001	49.37	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	244253	50.95	ug/l	0.00
51) Toluene-d8	7.05	98	801316	49.84	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	271349	50.98	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	QvaTue
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	494	N.D.		
15) Acetonitrile	1.99	40	52	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	2954	0.30 ug/l	✓	96
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) 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	2987	0.30 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	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	5.65	130	4461	0.70 ug/l	✓	99

(#) = qualifier out of range (m) = manual integration  
 Y0317024.D 8260B.M Mon Mar 20 09:52:06 2006

*Handwritten signature*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317024.D  
 Acq On : 17 Mar 2006 20:06  
 Sample : JPL03-007 MW-4-2  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 9:51 2006

Vial: 26  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	292	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	387	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	3078	0.44 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	8.57	112	190	N.D.	
62) Ethylbenzene	8.71	91	788	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.83	106	561	N.D.	
65) o-xylene	9.23	106	138	N.D.	
66) Styrene	9.24	104	54	N.D.	
67) Bromoform	9.40	173	67	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	10.20	120	56	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
74) Bromobenzene	0.00	156	0	N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0	N.D.	
76) 2-Chlorotoluene	10.19	91	142	N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	136	N.D.	
78) 4-Chlorotoluene	10.19	91	142	N.D.	
79) tert-Butylbenzene	10.51	119	54	N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	153	N.D.	
81) sec-butylbenzene	10.74	105	323	N.D.	
82) 4-Isopropyltoluene	10.89	119	545	N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0	N.D. d	
84) 1,4-Dichlorobenzene	10.90	146	418	N.D.	
85) n-Butylbenzene	11.29	91	663	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	559	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	

*Qm 3/20/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317024.D                   Vial: 26  
Acq On    : 17 Mar 2006 20:06                   Operator: JMD  
Sample    : JPL03-007 MW-4-2                   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

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Y0317024.D 8260B.M    Mon Mar 20 12:11:49 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4-1

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317025.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-4-1

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317025.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317025.D Vial: 27  
 Acq On : 17 Mar 2006 20:30 Operator: JMD  
 Sample : JPL03-008 MW-4-1 Inst : yoda  
 Misc : 5mL+IS/SS #3 Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 10:07 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	874773	50.00	ug/l	0.00 99.76%
50) Chlorobenzene-d5	8.55	82	304487	50.00	ug/l	0.00 102.02%
69) 1,4-Dichlorobenzene-d4	10.88	152	314894	50.00	ug/l	0.00 99.87%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	238545	49.58	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	244356	51.51	ug/l	0.00
51) Toluene-d8	7.05	98	774093	49.56	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	266119	51.23	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	814	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	323	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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.		

(#) = qualifier out of range (m) = manual integration  
 Y0317025.D 8260B.M Mon Mar 20 10:07:42 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317025.D  
 Acq On : 17 Mar 2006 20:30  
 Sample : JPL03-008 MW-4-1  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 10:07 2006

Vial: 27  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	289		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	1530		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	682		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	9.62	105	119		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.21	120	64		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.74	110	61		N.D.	
76) 2-Chlorotoluene	10.07	91	65		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	238		N.D.	
78) 4-Chlorotoluene	10.18	91	185		N.D.	
79) tert-Butylbenzene	10.51	119	54		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	208		N.D.	
81) sec-butylbenzene	10.74	105	341		N.D.	
82) 4-Isopropyltoluene	10.88	119	425		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.81	146	69		N.D.	
85) n-Butylbenzene	11.29	91	520		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	58		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	274	Below Cal	#	80
89) Hexachlorobutadiene	13.03	225	139	Below Cal	#	19
90) Naphthalene	13.06	128	194		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	169	Below Cal	#	67

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317025.D           Vial: 27  
Acq On    : 17 Mar 2006  20:30                   Operator: JMD  
Sample    : JPL03-008 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

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Y0317025.D  8260B.M    Mon Mar 20 12:12:01 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-7-31606

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317026.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-7-31606

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317026.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		1.6	J
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317026.D  
 Acq On : 17 Mar 2006 20:55  
 Sample : JPL03-009 EB-7-31606  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 10:08 2006

Vial: 28  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	884322	50.00	ug/l	0.00 100.85%
50) Chlorobenzene-d5	8.54	82	317005	50.00	ug/l	0.00 106.22%
69) 1,4-Dichlorobenzene-d4	10.88	152	319914	50.00	ug/l	0.00 101.46%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	237787	48.89	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	245163	51.12	ug/l	0.00
51) Toluene-d8	7.05	98	815117	50.13	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	274072	51.94	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	1.78	43	12181	7.25	ug/l	91
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	320	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
27) 2-Butanone	3.59	43	3685	1.60	ug/l	# 86
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	650	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	4.33	56	2064	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.57	75	54	N.D.		
39) Benzene	4.79	78	60	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0317026.D 8260B.M Mon Mar 20 10:08:41 2006

*JMD*



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317026.D  
 Acq On : 17 Mar 2006 20:55  
 Sample : JPL03-009 EB-7-31606  
 Misc : 5mL+IS/SS #3  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 10:08 2006

Vial: 28  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	434		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	7.99	43	54		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	200		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	231		N.D.	
65) o-xylene	9.23	106	58		N.D.	
66) Styrene	9.24	104	58		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.61	105	296		N.D.	
71) 1,1,1,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.20	120	53		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.73	110	53		N.D.	
76) 2-Chlorotoluene	10.03	91	279		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	160		N.D.	
78) 4-Chlorotoluene	10.03	91	279		N.D.	
79) tert-Butylbenzene	10.51	119	63		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	250		N.D.	
81) sec-butylbenzene	10.74	105	228		N.D.	
82) 4-Isopropyltoluene	10.88	119	493		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	197		N.D.	
85) n-Butylbenzene	11.29	91	507		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	76		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

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317026.D            vial: 28  
Acq On    : 17 Mar 2006 20:55                            Operator: JMD  
Sample    : JPL03-009 EB-7-31606                        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

\*\*\*\*\*  
Y0317026.D 8260B.M    Mon Mar 20 12:12:28 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-7-31606

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317027.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-7-31606

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0317027.DLevel: (low/med) LOWDate Received: 03/17/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/17/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317027.D Vial: 29  
 Acq On : 17 Mar 2006 21:20 Operator: JMD  
 Sample : JPL03-010 TB-7-31606 Inst : yoda  
 Misc : 5mL+IS/SS #2 Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 10:09 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
						Rcv(Ar )
1) Fluorobenzene	5.18	96	903662	50.00	ug/l	0.00
50) Chlorobenzene-d5	8.55	82	318730	50.00	ug/l	103.05%
69) 1,4-Dichlorobenzene-d4	10.87	152	323864	50.00	ug/l	0.00
						106.80%
						102.72%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) Dibromofluoromethane	4.27	111	241511	48.60	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	252425	51.51	ug/l	0.00
51) Toluene-d8	7.05	98	819304	50.11	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	276411	51.74	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	1.79	43	773	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	376	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.12	84	346	Below Cal	#	49
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.		
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.		

(#) = qualifier out of range (m) = manual integration  
 Y0317027.D 8260B.M Mon Mar 20 10:09:32 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317027.D  
 Acq On : 17 Mar 2006 21:20  
 Sample : JPL03-010 TB-7-31606  
 Misc : 5mL+IS/SS #2  
 MS Integration Params: rteint.p  
 Quant Time: Mar 20 10:09 2006

Vial: 29  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	209		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	55		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	115		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	9.61	105	77		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.01	120	57		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.74	110	55		N.D.	
76) 2-Chlorotoluene	10.01	91	222		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	78		N.D.	
78) 4-Chlorotoluene	10.19	91	146		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	150		N.D.	
81) sec-butylbenzene	10.73	105	329		N.D.	
82) 4-Isopropyltoluene	10.89	119	588		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.88	146	53		N.D.	
85) n-Butylbenzene	11.29	91	492		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	67		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	190	Below Cal	#	70
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.05	128	66		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	83	Below Cal	#	18

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\031706\Y0317027.D                   Vial: 29  
Acq On    : 17 Mar 2006 21:20                   Operator: JMD  
Sample    : JPL03-010 TB-7-31606               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

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Y0317027.D 8260B.M    Mon Mar 20 12:13:14 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-24-3

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321013.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-24-3

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321013.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321013.D  
 Acq On : 21 Mar 2006 14:23  
 Sample : JPL03-012 MW-24-3  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 14:56 2006

Vial: 16  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	891081	50.00	ug/l	0.00 101.62%
50) Chlorobenzene-d5	8.55	82	321287	50.00	ug/l	0.00 107.65%
69) 1,4-Dichlorobenzene-d4	10.88	152	317685	50.00	ug/l	0.00 100.76%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	233921	47.73	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	240622	49.80	ug/l	0.00
51) Toluene-d8	7.05	98	826533	50.15	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	273399	52.17	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	1.78	43	1160	Below Cal	#	40
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.	d	
15) Acetonitrile	0.00	40	0	N.D.	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	639	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) 2-Butanone	3.66	43	133	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	4.51	75	125	N.D.		
39) Benzene	4.78	78	60	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0321013.D 8260B.M Tue Mar 21 14:56:59 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321013.D  
 Acq On : 21 Mar 2006 14:23  
 Sample : JPL03-012 MW-24-3  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 14:56 2006

Vial: 16  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	405		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	380		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	439		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	834		N.D.	
65) o-xylene	9.22	106	191		N.D.	
66) Styrene	9.24	104	164		N.D.	
67) Bromoform	9.39	173	200		N.D.	
68) Isopropylbenzene	9.61	105	253		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	57		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	160		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	152		N.D.	
78) 4-Chlorotoluene	10.19	91	325		N.D.	
79) tert-Butylbenzene	10.51	119	323		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	363		N.D.	
81) sec-butylbenzene	10.73	105	636		N.D.	
82) 4-Isopropyltoluene	10.90	119	662		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	438		N.D.	
85) n-Butylbenzene	11.30	91	745		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	323		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	338	Below Cal	#	56
89) Hexachlorobutadiene	13.03	225	151	Below Cal	#	19
90) Naphthalene	13.05	128	328		N.D.	
91) 1,2,3-Trichlorobenzene	13.29	180	293	Below Cal	#	88

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321013.D           Vial: 16  
Acq On : 21 Mar 2006 14:23                           Operator: JMD  
Sample : JPL03-012 MW-24-3                         Inst : yoda  
Misc : 5mL+IS/SS #1 (524.2)                       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

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Y0321013.D 8260B.M Tue Mar 21 15:01:16 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-24-2

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321014.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		1.0	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		1.6	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.4	J
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-24-2

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321014.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321014.D  
 Acq On : 21 Mar 2006 14:48  
 Sample : JPL03-013 MW-24-2  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 15:08 2006

Vial: 17  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	875637	50.00	ug/l	0.00 99.86%
50) Chlorobenzene-d5	8.55	82	312606	50.00	ug/l	0.00 104.74%
69) 1,4-Dichlorobenzene-d4	10.87	152	317675	50.00	ug/l	0.00 100.75%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	238277	49.48	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	240602	50.67	ug/l	0.00
51) Toluene-d8	7.05	98	798233	49.78	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	272386	51.98	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	1.73	96	436	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	735	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	4686	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	1010	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) 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	9772	1.01	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	4.49	117	10213	1.57	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	4.81	62	116	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	2672	0.42	ug/l	95

(#) = qualifier out of range (m) = manual integration  
 Y0321014.D 8260B.M Tue Mar 21 15:09:07 2006

*JMD 3/21/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321014.D  
 Acq On : 21 Mar 2006 14:48  
 Sample : JPL03-013 MW-24-2  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 15:08 2006

Vial: 17  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	399		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	1232		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	803		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	748		N.D.	
65) o-xylene	9.23	106	161		N.D.	
66) Styrene	9.24	104	216		N.D.	
67) Bromoform	9.39	173	139		N.D.	
68) Isopropylbenzene	9.61	105	222		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	58		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.08	91	121		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	333		N.D.	
78) 4-Chlorotoluene	10.18	91	297		N.D.	
79) tert-Butylbenzene	10.51	119	68		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	384		N.D.	
81) sec-butylbenzene	10.73	105	450		N.D.	
82) 4-Isopropyltoluene	10.89	119	582		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	281		N.D.	
84) 1,4-Dichlorobenzene	10.81	146	888		N.D.	
85) n-Butylbenzene	11.28	91	657		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	684		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



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321014.D           Vial: 17  
Acq On    : 21 Mar 2006 14:48                   Operator: JMD  
Sample    : JPL03-013 MW-24-2                  Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)              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

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Y0321014.D 8260B.M    Tue Mar 21 15:09:15 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-24-1

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321015.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.6	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.9	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-24-1

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321015.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321015.D Vial: 18  
 Acq On : 21 Mar 2006 15:13 Operator: JMD  
 Sample : JPL03-014 MW-24-1 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 16:25 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	888474	50.00	ug/l	0.00 101.32%
50) Chlorobenzene-d5	8.54	82	318846	50.00	ug/l	0.00 106.84%
69) 1,4-Dichlorobenzene-d4	10.88	152	339594	50.00	ug/l	0.00 107.71%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	237850	48.68	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.71	65	244663	50.78	ug/l	0.00
51) Toluene-d8	7.05	98	809632	49.50	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	280986	50.16	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	1.73	96	1118	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	1.77	101	1279	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	3772	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
27) 2-Butanone	3.67	43	53	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	5350	0.54	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	4.49	117	3810	0.58	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	5.65	130	1426	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0321015.D 8260B.M Tue Mar 21 16:25:19 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321015.D  
 Acq On : 21 Mar 2006 15:13  
 Sample : JPL03-014 MW-24-1  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 16:25 2006

Vial: 18  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	473	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	6529	0.92 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	8.58	112	55	N.D.	
62) Ethylbenzene	8.71	91	604	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.84	106	699	N.D.	
65) o-xylene	9.23	106	58	N.D.	
66) Styrene	0.00	104	0	N.D.	
67) Bromoform	9.40	173	202	N.D.	
68) Isopropylbenzene	9.62	105	157	N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
72) n-Propylbenzene	10.20	120	86	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
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	150	N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	267	N.D.	
78) 4-Chlorotoluene	10.18	91	237	N.D.	
79) tert-Butylbenzene	10.51	119	133	N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	337	N.D.	
81) sec-butylbenzene	10.73	105	403	N.D.	
82) 4-Isopropyltoluene	10.89	119	648	N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0	N.D. d	
84) 1,4-Dichlorobenzene	10.90	146	354	N.D.	
85) n-Butylbenzene	11.29	91	670	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	135	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	192	N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0	N.D. d	

*Handwritten:* 3/21/06

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321015.D           Vial: 18  
Acq On    : 21 Mar 2006 15:13                   Operator: JMD  
Sample    : JPL03-014 MW-24-1                 Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)             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

\*\*\*\*\*  
Y0321015.D 8260B.M    Tue Mar 21 16:25:30 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-2-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321016.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.9	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		1.6	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.4	J
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-2-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321016.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321016.D  
 Acq On : 21 Mar 2006 15:38  
 Sample : JPL03-015 DUPE-2-1Q06  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 16:26 2006

Vial: 19  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	890069	50.00	ug/l	0.00 101.50%
50) Chlorobenzene-d5	8.55	82	324623	50.00	ug/l	0.00 108.77%
69) 1,4-Dichlorobenzene-d4	10.88	152	329171	50.00	ug/l	0.00 104.40%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	242217	49.48	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.71	65	246359	51.04	ug/l	0.00
51) Toluene-d8	7.05	98	816693	49.05	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	280803	51.72	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	1.74	96	480	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	4472	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	1075	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) 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	9395	0.95	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	4.50	117	10740	1.63	ug/l ✓	95
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	4.78	78	59	N.D.		
40) 1,2-Dichloroethane	4.83	62	256	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.66	130	2559	0.40	ug/l ✓	94

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321016.D  
 Acq On : 21 Mar 2006 15:38  
 Sample : JPL03-015 DUPE-2-1Q06  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 16:26 2006

Vial: 19  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	305		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	1102		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	645		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	533		N.D.	
65) o-xylene	9.23	106	109		N.D.	
66) Styrene	9.23	104	246		N.D.	
67) Bromoform	9.40	173	141		N.D.	
68) Isopropylbenzene	9.61	105	60		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.	
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	150		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	60		N.D.	
78) 4-Chlorotoluene	10.18	91	178		N.D.	
79) tert-Butylbenzene	10.52	119	64		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	253		N.D.	
81) sec-butylbenzene	10.73	105	426		N.D.	
82) 4-Isopropyltoluene	10.89	119	550		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	342		N.D.	
84) 1,4-Dichlorobenzene	10.90	146	590		N.D.	
85) n-Butylbenzene	11.29	91	585		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	659		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

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321016.D           Vial: 19  
Acq On    : 21 Mar 2006 15:38                   Operator: JMD  
Sample    : JPL03-015 DUPE-2-1Q06             Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)             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

\*\*\*\*\*  
Y0321016.D 8260B.M    Tue Mar 21 16:26:39 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-8-31706

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-016Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321017.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-8-31706

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-016Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321017.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321017.D Vial: 20  
 Acq On : 21 Mar 2006 16:02 Operator: JMD  
 Sample : JPL03-016 EB-8-31706 Inst : yoda  
 Misc : 5mL+IS/SS #2 (\$24.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 16:28 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	851965	50.00	ug/l	0.00 97.16%
50) Chlorobenzene-d5	8.55	82	304911	50.00	ug/l	0.00 102.17%
69) 1,4-Dichlorobenzene-d4	10.88	152	309690	50.00	ug/l	0.00 98.22%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	233044	49.74	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	237945	51.50	ug/l	0.00
51) Toluene-d8	7.05	98	768772	49.15	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	261265	51.15	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	1.78	43	7253	3.82	ug/l	91
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.	d	
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.03	83	310	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	4.32	56	451	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	4.78	78	179	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0321017.D 8260B.M Tue Mar 21 16:28:52 2006

*JR 3/21/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321017.D  
 Acq On : 21 Mar 2006 16:02  
 Sample : JPL03-016 EB-8-31706  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 16:28 2006

Vial: 20  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	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	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	8.58	112	55		N.D.	
62) Ethylbenzene	8.71	91	290		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	340		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.25	104	112		N.D.	
67) Bromoform	9.40	173	112		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	10.02	120	57		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	138		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	159		N.D.	
78) 4-Chlorotoluene	10.18	91	56		N.D.	
79) tert-Butylbenzene	10.51	119	62		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	166		N.D.	
81) sec-butylbenzene	10.74	105	335		N.D.	
82) 4-Isopropyltoluene	10.89	119	456		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	231		N.D.	
85) n-Butylbenzene	11.30	91	493		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.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321017.D           Vial: 20  
Acq On    : 21 Mar 2006  16:02                   Operator: JMD  
Sample    : JPL03-016 EB-8-31706               Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)               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

\*\*\*\*\*  
Y0321017.D  8260B.M    Tue Mar 21 16:29:42 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-8-31706

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-017Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321011.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-8-31706

Lab Name: Laucks Testing LabsSDG No.: JPL03Matrix: (soil/water) WATERLab Sample ID: JPL03-017Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321011.DLevel: (low/med) LOWDate Received: 03/18/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321011.D Vial: 14  
 Acq On : 21 Mar 2006 13:34 Operator: JMD  
 Sample : JPL03-017 TB-8-31706 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 13:54 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
1) Fluorobenzene	5.19	96	907753	50.00	ug/l	0.00	103.52%
50) Chlorobenzene-d5	8.54	82	326180	50.00	ug/l	0.00	109.29%
69) 1,4-Dichlorobenzene-d4	10.88	152	330355	50.00	ug/l	0.00	104.78%
System Monitoring Compounds							
32) Dibromofluoromethane	4.27	111	245111	49.10	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	244903	49.75	ug/l	0.00	
51) Toluene-d8	7.05	98	831289	49.69	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	281838	51.72	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	1.78	43	1070	Below Cal	#	50	
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.	d		
15) Acetonitrile	0.00	40	0	N.D.	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	562	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	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.			
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	4.50	75	161	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.			

(#) = qualifier out of range (m) = manual integration  
 Y0321011.D 8260B.M Tue Mar 21 13:54:42 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321011.D  
 Acq On : 21 Mar 2006 13:34  
 Sample : JPL03-017 TB-8-31706  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 13:54 2006

Vial: 14  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	1373		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	60		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	8.58	112	115		N.D.	
62) Ethylbenzene	8.72	91	476		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	356		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	113		N.D.	
67) Bromoform	9.39	173	117		N.D.	
68) Isopropylbenzene	9.61	105	313		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	83		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.86	156	109		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.08	91	196		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	397		N.D.	
78) 4-Chlorotoluene	10.19	91	576		N.D.	
79) tert-Butylbenzene	10.51	119	204		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	439		N.D.	
81) sec-butylbenzene	10.73	105	685		N.D.	
82) 4-Isopropyltoluene	10.88	119	732		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	513		N.D.	
85) n-Butylbenzene	11.29	91	903		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	220		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	483	Below Cal	#	82
89) Hexachlorobutadiene	13.04	225	330	Below Cal	#	47
90) Naphthalene	13.05	128	564		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	232	Below Cal	#	75

(#) = qualifier out of range (m) = manual integration  
 Y0321011.D 8260B.M Tue Mar 21 13:54:43 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321011.D           Vial: 14  
Acq On    : 21 Mar 2006 13:34                   Operator: JMD  
Sample    : JPL03-017 TB-8-31706               Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)               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

\*\*\*\*\*  
Y0321011.D 8260B.M    Tue Mar 21 15:00:38 2006

**Metals Data**

**JPL03**

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL03

SOW No.: \_\_\_\_\_

Sample No.	Lab Sample ID
<u>DUPE-2-1Q06</u>	<u>JPL03-015</u>
<u>EB-6-3/15/06</u>	<u>JPL03-004</u>
<u>EB-7-3/16/06</u>	<u>JPL03-009</u>
<u>EB-8-3/17/06</u>	<u>JPL03-016</u>
<u>MW-22-1</u>	<u>JPL03-003</u>
<u>MW-22-2</u>	<u>JPL03-002</u>
<u>MW-22-3</u>	<u>JPL03-001</u>
<u>MW-24-1</u>	<u>JPL03-014</u>
<del>MW-24-1MS</del>	<del>JPL03-014MS-10X</del> -JCA 4/17/06
<del>MW-24-1MSD</del>	<del>JPL03-014MSD-10X</del> JCA 4/17/06
<u>MW-24-2</u>	<u>JPL03-013</u>
<u>MW-24-3</u>	<u>JPL03-012</u>
<u>MW-24-4</u>	<u>JPL03-011</u>
<u>MW-4-1</u>	<u>JPL03-008</u>
<u>MW-4-2</u>	<u>JPL03-007</u>
<u>MW-4-2MS</u>	<u>JPL03-007MS</u>
<u>MW-4-2MSD</u>	<u>JPL03-007MSD</u>
<u>MW-4-3</u>	<u>JPL03-006</u>

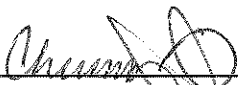
Were ICP interelement corrections applied? Yes/No YES

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: 

Name: Cheronne Oreiro

Date: 04/17/2006

Title: Metals Lead

## **Metals Analysis Data Sheets**



INORGANIC ANALYSES DATA SHEET

MW-22-3
---------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-001

Level (low/med): LOW

Date Received: 03/16/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.96			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-22-2
---------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS    SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-002

Level (low/med): LOW

Date Received: 03/16/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.80			

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-22-1
---------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-003

Level (low/med): LOW

Date Received: 03/16/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.81			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

EB-6-3/15/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-004

Level (low/med): LOW

Date Received: 03/16/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.42			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-4-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-006

Level (low/med): LOW

Date Received: 03/17/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-4-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R006079

Matrix (soil/water): Water

Lab Sample ID: JPL03-007

Level (low/med): LOW

Date Received: 03/17/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.82			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-4-1
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Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-008

Level (low/med): LOW

Date Received: 03/17/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

EB-7-3/16/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS    SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-009

Level (low/med): LOW

Date Received: 03/17/2006

% Solids: \_\_\_\_\_

Concentration Units :            ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White      Clarity Before: Clear      Texture: \_\_\_\_\_

Color After: Colorless      Clarity After: Clear      Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-24-4

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-011

Level (low/med): LOW

Date Received: 03/18/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-24-3
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Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS    SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-012

Level (low/med): LOW

Date Received: 03/18/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.04			

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-24-2

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-013

Level (low/med): LOW

Date Received: 03/18/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

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

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## INORGANIC ANALYSES DATA SHEET

MW-24-1

Lab Name: Laucks Laboratories Contract: JPL Groundwater Monitorin  
 Lab Code: LAUCKS SDG No.: JPL03 Run Sequence ID: R005978  
 Matrix (soil/water): Water Lab Sample ID: JPL03-014  
 Level (low/med): LOW Date Received: 03/18/2006  
 % Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.51			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_  
 Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

DUPE-2-1Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-015

Level (low/med): LOW

Date Received: 03/18/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.95			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

EB-8-3/17/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL03

Run Sequence ID: R005978

Matrix (soil/water): Water

Lab Sample ID: JPL03-016

Level (low/med): LOW

Date Received: 03/18/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.01			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Miscellaneous Inorganic Data**

**JPL03**

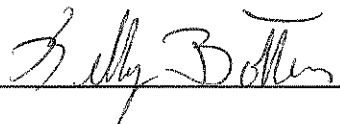
**Laucks Testing Laboratories**  
**Cover Page - Analysis Data Package**

Lab Code: LAUCKS

SDG Number: JPL03

Client Sample Identification	Lab Sample Identification
MW-22-3	JPL03-001DL 4X
MW-22-2	JPL03-002DL 4X
MW-22-1	JPL03-003DL 4X
EB-6-3/15/06	JPL03-004
MW-4-3	JPL03-006DL 2X
MW-4-2	JPL03-007DL 4X
MW-4-2MS	JPL03-007MS 4X
MW-4-2MSD	JPL03-007MSD 4X
MW-4-1	JPL03-008DL 2X
EB-7-3/16/06	JPL03-009
MW-24-3	JPL03-012DL 2X
MW-24-2	JPL03-013DL 2X
MW-24-1	JPL03-014
MW-24-1	JPL03-014DL 2X
MW-24-1MS	JPL03-014DL MS 10X
MW-24-1MSD	JPL03-014DL MSD 10X
MW-24-1-DL	JPL03-014DL1
MW-24-1MS	JPL03-014MS 10X
MW-24-1MSD	JPL03-014MSD 10X
DUPE-2-1Q06	JPL03-015DL 2X
EB-8-3/17/06	JPL03-016

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: Kelly Botten  
 Date: March 30, 2006 Title: Department Manager



## **Inorganic Analysis Data Sheets**

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: MW-22-3 Date/Time Collected: 03/15/2006 09:00  
Lab Sample ID: JPL03-001 Date/Time Received: 03/16/2006 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	0.80	03/27/2006	03/27/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: MW-22-2 Date/Time Collected: 03/15/2006 09:28  
Lab Sample ID: JPL03-002 Date/Time Received: 03/16/2006 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	0.80	03/27/2006	03/27/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: MW-22-1 Date/Time Collected: 03/15/2006 10:00  
Lab Sample ID: JPL03-003 Date/Time Received: 03/16/2006 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	0.80	03/27/2006	03/27/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: EB-6-3/15/06 Date/Time Collected: 03/15/2006 09:48  
Lab Sample ID: JPL03-004 Date/Time Received: 03/16/2006 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	0.20	03/27/2006	03/27/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: MW-4-3 Date/Time Collected: 03/16/2006 07:58  
Lab Sample ID: JPL03-006 Date/Time Received: 03/17/2006 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	0.40	03/27/2006	03/27/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: MW-4-2 Date/Time Collected: 03/16/2006 08:34  
Lab Sample ID: JPL03-007 Date/Time Received: 03/17/2006 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	0.80	03/27/2006	03/27/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: MW-4-1 Date/Time Collected: 03/16/2006 09:22  
Lab Sample ID: JPL03-008 Date/Time Received: 03/17/2006 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	0.40	03/27/2006	03/28/2006	R005778



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: EB-7-3/16/06 Date/Time Collected: 03/16/2006 09:10  
Lab Sample ID: JPL03-009 Date/Time Received: 03/17/2006 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	0.20	03/27/2006	03/28/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: MW-24-3 Date/Time Collected: 03/17/2006 08:21  
Lab Sample ID: JPL03-012 Date/Time Received: 03/18/2006 12:00  
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	0.40	03/27/2006	03/28/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: MW-24-2 Date/Time Collected: 03/17/2006 08:50  
Lab Sample ID: JPL03-013 Date/Time Received: 03/18/2006 12:00  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	59		2.0	0.40	03/27/2006	03/28/2006	R005778



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: DUPE-2-1Q06 Date/Time Collected: 03/17/2006 00:00  
Lab Sample ID: JPL03-015 Date/Time Received: 03/18/2006 12:00  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	62		2.0	0.40	03/27/2006	03/28/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater  
SDG Number: JPL03  
Sample Number: EB-8-3/17/06 Date/Time Collected: 03/17/2006 09:27  
Lab Sample ID: JPL03-016 Date/Time Received: 03/18/2006 12:00  
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	0.20	03/27/2006	03/28/2006	R005778

**SAMPLE DATA**

SDG # JPL04

Volatiles Analysis

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-19-5

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321018.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.4	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		3.9	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-19-5

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321018.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321018.D Vial: 21  
 Acq On : 21 Mar 2006 16:27 Operator: JMD  
 Sample : JPL04-001 MW-19-5 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 17:08 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	896991	50.00	ug/l	0.00 102.29%
50) Chlorobenzene-d5	8.55	82	327942	50.00	ug/l	0.00 109.88%
69) 1,4-Dichlorobenzene-d4	10.88	152	336220	50.00	ug/l	0.00 106.64%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	239559	48.56	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	243578	50.08	ug/l	0.00
51) Toluene-d8	7.05	98	828150	49.23	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	284758	51.35	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	1.87	76	2054	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.78	63	1114	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	57	N.D.		
27) 2-Butanone	3.67	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	4.02	83	4374	0.44	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	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	4.79	78	109	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	3238	0.50	ug/l ✓	97

(#) = qualifier out of range (m) = manual integration  
 Y0321018.D 8260B.M Tue Mar 21 17:08:51 2006

*03/21/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321018.D  
 Acq On : 21 Mar 2006 16:27  
 Sample : JPL04-001 MW-19-5  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 17:08 2006

Vial: 21  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	6.28	83	125	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	7.13	92	388	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	28592	3.92 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	8.71	91	412	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.83	106	311	N.D.	
65) o-xylene	0.00	106	0	N.D.	
66) Styrene	9.24	104	782	N.D.	
67) Bromoform	9.40	173	81	N.D.	
68) Isopropylbenzene	9.61	105	202	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.	
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	164	N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	186	N.D.	
78) 4-Chlorotoluene	10.19	91	281	N.D.	
79) tert-Butylbenzene	10.51	119	60	N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	82	N.D.	
81) sec-butylbenzene	10.73	105	325	N.D.	
82) 4-Isopropyltoluene	10.89	119	514	N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0	N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	403	N.D.	
85) n-Butylbenzene	11.30	91	465	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	562	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

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321018.D            Vial: 21  
Acq On    : 21 Mar 2006 16:27                    Operator: JMD  
Sample    : JPL04-001 MW-19-5                   Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)                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

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Y0321018.D 8260B.M    Tue Mar 21 17:09:37 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-19-4

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321019.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.4	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		1.2	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-19-4

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321019.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321019.D Vial: 22  
 Acq On : 21 Mar 2006 16:52 Operator: JMD  
 Sample : JPL04-002 MW-19-4 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 17:10 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	895945	50.00 ug/l	0.00 102.17%
50) Chlorobenzene-d5	8.55	82	318176	50.00 ug/l	0.00 106.61%
69) 1,4-Dichlorobenzene-d4	10.88	152	311266	50.00 ug/l	0.00 98.72%
System Monitoring Compounds					
32) Dibromofluoromethane	4.27	111	235291	47.75 ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	242725	49.96 ug/l	0.00
51) Toluene-d8	7.05	98	819960	50.24 ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	267202	52.04 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	0.00	76	0	N.D.	d
15) Acetonitrile	2.02	40	89	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	283	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	494	N.D.	
27) 2-Butanone	3.69	43	113	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	3790	0.38 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	4.39	75	56	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	5.65	130	1530	N.D.	

*gn 3/21/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321019.D  
 Acq On : 21 Mar 2006 16:52  
 Sample : JPL04-002 MW-19-4  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 17:10 2006

Vial: 22  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	446	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	434	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	8397	1.19 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	8.71	91	153	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.84	106	280	N.D.	
65) o-xylene	0.00	106	0	N.D.	
66) Styrene	9.24	104	745	N.D.	
67) Bromoform	9.39	173	91	N.D.	
68) Isopropylbenzene	9.61	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.	
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	54	N.D.	
78) 4-Chlorotoluene	10.18	91	135	N.D.	
79) tert-Butylbenzene	0.00	119	0	N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	245	N.D.	
81) sec-butylbenzene	10.74	105	239	N.D.	
82) 4-Isopropyltoluene	10.89	119	557	N.D.	
83) 1,3-Dichlorobenzene	10.80	111	126	N.D.	
84) 1,4-Dichlorobenzene	10.90	146	539	N.D.	
85) n-Butylbenzene	11.30	91	374	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	382	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

*JMD 3/21/06*



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321019.D           Vial: 22  
Acq On    : 21 Mar 2006  16:52                   Operator: JMD  
Sample    : JPL04-002 MW-19-4                   Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)               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

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Y0321019.D  8260B.M    Tue Mar 21 17:11:13 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-19-3

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321020.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.3	J
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.7	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-19-3

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321020.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321020.D Vial: 23  
 Acq On : 21 Mar 2006 17:16 Operator: JMD  
 Sample : JPL04-003 MW-19-3 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:31 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	887062	50.00	ug/l	0.00 101.16%
50) Chlorobenzene-d5	8.55	82	320415	50.00	ug/l	0.00 107.36%
69) 1,4-Dichlorobenzene-d4	10.88	152	328785	50.00	ug/l	0.00 104.28%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	239112	49.01	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	245466	51.03	ug/l	0.00
51) Toluene-d8	7.05	98	815318	49.61	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	276703	51.02	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	1.88	76	4028	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.79	63	983	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	2128	0.35	ug/l	98
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	1164	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	4.40	75	53	N.D.		
39) Benzene	4.78	78	61	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	948	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0321020.D 8260B.M wed Mar 22 09:32:11 2006

*Jm 3/22/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321020.D  
 Acq On : 21 Mar 2006 17:16  
 Sample : JPL04-003 MW-19-3  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:31 2006

Vial: 23  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	367	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	325	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	4878	0.68 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	348	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.84	106	507	N.D.	
65) o-xylene	9.22	106	147	N.D.	
66) Styrene	9.24	104	228	N.D.	
67) Bromoform	9.39	173	90	N.D.	
68) Isopropylbenzene	9.62	105	59	N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	64	N.D.	
72) n-Propylbenzene	0.00	120	0	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
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	378	N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	124	N.D.	
78) 4-Chlorotoluene	10.18	91	215	N.D.	
79) tert-Butylbenzene	10.53	119	173	N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	53	N.D.	
81) sec-butylbenzene	10.74	105	278	N.D.	
82) 4-Isopropyltoluene	10.89	119	550	N.D.	
83) 1,3-Dichlorobenzene	10.80	111	469	N.D.	
84) 1,4-Dichlorobenzene	10.81	146	1380	N.D.	
85) n-Butylbenzene	11.30	91	465	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	903	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	

*Jr 3/22/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321020.D           Vial: 23  
Acq On    : 21 Mar 2006 17:16                   Operator: JMD  
Sample    : JPL04-003 MW-19-3                 Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)             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

\*\*\*\*\*  
Y0321020.D 8260B.M    Wed Mar 22 09:48:48 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-19-2

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321021.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.4	J
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.3	J
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.7	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		1.1	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.3	J
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.8	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-19-2

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321021.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321021.D Vial: 24  
 Acq On : 21 Mar 2006 17:41 Operator: JMD  
 Sample : JPL04-004 MW-19-2 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:51 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	865633	50.00	ug/l	0.00 98.72%
50) Chlorobenzene-d5	8.55	82	315600	50.00	ug/l	0.00 105.75%
69) 1,4-Dichlorobenzene-d4	10.87	152	310838	50.00	ug/l	0.00 98.59%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	228863	48.07	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.71	65	237592	50.61	ug/l	0.00
51) Toluene-d8	7.05	98	803461	49.63	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	267243	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	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	2078	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.78	63	4004	0.42	ug/l ✓	89
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	1880	0.31	ug/l ✓	95
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	6577	0.68	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	57	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	5.65	130	7135	1.14	ug/l ✓	95

(#) = qualifier out of range (m) = manual integration  
 Y0321021.D 8260B.M Wed Mar 22 09:51:14 2006

*Jm 3/22/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321021.D  
 Acq On : 21 Mar 2006 17:41  
 Sample : JPL04-004 MW-19-2  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:51 2006

Vial: 24  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	1790	0.28	ug/l ✓	100
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	7.13	92	298		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	5767	0.82	ug/l ✓	98
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	7.97	129	467		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	8.57	112	61		N.D.	
62) Ethylbenzene	8.72	91	301		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	401		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.40	173	182		N.D.	
68) Isopropylbenzene	9.61	105	90		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.20	120	87		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	58		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	223		N.D.	
78) 4-Chlorotoluene	10.18	91	172		N.D.	
79) tert-Butylbenzene	10.51	119	72		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	130		N.D.	
81) sec-butylbenzene	10.74	105	260		N.D.	
82) 4-Isopropyltoluene	10.89	119	358		N.D.	
83) 1,3-Dichlorobenzene	10.81	111	583		N.D.	
84) 1,4-Dichlorobenzene	10.81	146	1976		N.D.	
85) n-Butylbenzene	11.29	91	472		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	955		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	

*gms 3/22/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321021.D           Vial: 24  
Acq On    : 21 Mar 2006 17:41                   Operator: JMD  
Sample    : JPL04-004 MW-19-2                  Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)              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

\*\*\*\*\*  
Y0321021.D 8260B.M   Wed Mar 22 09:51:33 2006

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

**MW-19-1**

Lab Name: Laucks Testing Labs

SDG No.: JPL04

Matrix: (soil/water) WATER

Lab Sample ID: JPL04-005

Sample wt/vol: 5.0 (g/ml) ML

Lab File ID: Y0321022.D

Level: (low/med) LOW

Date Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06

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

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

75-71-8	Dichlorodifluoromethane	0.5	U
74-87-3	Chloromethane	0.5	U
75-01-4	Vinyl chloride	0.5	U
74-83-9	Bromomethane	0.5	U
75-00-3	Chloroethane	0.5	U
75-69-4	Trichlorofluoromethane	0.5	U
75-35-4	1,1-Dichloroethene	0.5	U
75-09-2	Methylene Chloride	0.5	U
156-60-5	trans-1,2-Dichloroethene	0.5	U
75-34-3	1,1-Dichloroethane	0.5	U
594-20-7	2,2-Dichloropropane	0.5	U
156-59-2	cis-1,2-Dichloroethene	0.5	U
74-97-5	Bromochloromethane	0.5	U
67-66-3	Chloroform	0.5	U
563-58-6	1,1-Dichloropropene	0.5	U
71-55-6	1,1,1-Trichloroethane	0.5	U
56-23-5	Carbon tetrachloride	0.5	U
71-43-2	Benzene	0.5	U
107-06-2	1,2-Dichloroethane	0.5	U
79-01-6	Trichloroethene	0.5	U
78-87-5	1,2-Dichloropropane	0.5	U
74-95-3	Dibromomethane	0.5	U
75-27-4	Bromodichloromethane	0.5	U
10061-01-5	cis-1,3-Dichloropropene	0.5	U
108-88-3	Toluene	0.5	U
10061-02-6	trans-1,3-Dichloropropene	0.5	U
79-00-5	1,1,2-Trichloroethane	0.5	U
127-18-4	Tetrachloroethene	0.5	U
124-48-1	Dibromochloromethane	0.5	U
106-93-4	1,2-Dibromoethane	0.5	U
100-41-4	Ethylbenzene	0.5	U
142-28-9	1,3-Dichloropropane	0.5	U
108-90-7	Chlorobenzene	0.5	U
108-38-3	m,p-Xylene	1.0	U
95-47-6	o-Xylene	0.5	U
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U
100-42-5	Styrene	0.5	U
75-25-2	Bromoform	0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-19-1

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321022.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321022.D  
 Acq On : 21 Mar 2006 18:06  
 Sample : JPL04-005 MW-19-1  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:53 2006

Vial: 25  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.18	96	875891	50.00	ug/l	0.00 99.89%
50) Chlorobenzene-d5	8.55	82	320816	50.00	ug/l	0.00 107.50%
69) 1,4-Dichlorobenzene-d4	10.88	152	323405	50.00	ug/l	0.00 102.57%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	233133	48.40	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.71	65	243102	51.18	ug/l	0.00
51) Toluene-d8	7.05	98	816177	49.60	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	275535	51.65	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qva	Value
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	1566	N.D.			
15) Acetonitrile	0.00	40	0	N.D.		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	68	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.			
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.			

(#) = qualifier out of range (m) = manual integration  
 Y0321022.D 8260B.M wed Mar 22 09:53:40 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321022.D Vial: 25  
 Acq On : 21 Mar 2006 18:06 Operator: JMD  
 Sample : JPL04-005 MW-19-1 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:53 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	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	7.69	166	72		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	151		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	190		N.D.	
65) o-xylene	9.22	106	53		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.40	173	126		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	314		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	75		N.D.	
78) 4-Chlorotoluene	10.18	91	159		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	122		N.D.	
81) sec-butylbenzene	10.73	105	294		N.D.	
82) 4-Isopropyltoluene	10.89	119	452		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	142		N.D.	
85) n-Butylbenzene	11.29	91	485		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	198	Below Cal	#	78
89) Hexachlorobutadiene	13.03	225	62	Below Cal	#	19
90) Naphthalene	13.06	128	131		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	88	Below Cal	#	64

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321022.D           Vial: 25  
Acq On    : 21 Mar 2006  18:06                   Operator: JMD  
Sample    : JPL04-005 MW-19-1                   Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)               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

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Y0321022.D  8260B.M    Wed Mar 22 09:53:51 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-3-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321023.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-3-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321023.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321023.D Vial: 26  
 Acq On : 21 Mar 2006 18:30 Operator: JMD  
 Sample : JPL04-006 DUPE-3-1Q06 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:55 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar)
1) Fluorobenzene	5.18	96	879929	50.00	ug/l	0.00	100.35%
50) Chlorobenzene-d5	8.54	82	321118	50.00	ug/l	0.00	107.60%
69) 1,4-Dichlorobenzene-d4	10.88	152	324613	50.00	ug/l	0.00	102.96%
System Monitoring Compounds							
32) Dibromofluoromethane	4.27	111	233235	48.20	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	244306	51.20	ug/l	0.00	
51) Toluene-d8	7.05	98	817978	49.66	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	274659	51.30	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	1.79	43	864	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	1902	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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.		

(#) = qualifier out of range (m) = manual integration  
 Y0321023.D 8260B.M wed Mar 22 09:55:28 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321023.D Vial: 26  
 Acq On : 21 Mar 2006 18:30 Operator: JMD  
 Sample : JPL04-006 DUPE-3-1Q06 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:55 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	239		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	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	0.00	112	0		N.D.	
62) Ethylbenzene	8.72	91	158		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	237		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	141		N.D.	
68) Isopropylbenzene	9.60	105	114		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.	
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	55		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	116		N.D.	
78) 4-Chlorotoluene	10.18	91	130		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	59		N.D.	
81) sec-butylbenzene	10.73	105	221		N.D.	
82) 4-Isopropyltoluene	10.88	119	405		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	178		N.D.	
85) n-Butylbenzene	11.29	91	410		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	153	Below	Cal #	77
89) Hexachlorobutadiene	13.03	225	70	Below	Cal #	50
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\032106\Y0321023.D                   Vial: 26  
Acq On    : 21 Mar 2006  18:30                   Operator: JMD  
Sample    : JPL04-006 DUPE-3-1Q06               Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)               Multiplier: 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

\*\*\*\*\*  
Y0321023.D  8260B.M    wed Mar 22 09:56:32 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-3-4

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321024.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-3-4

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321024.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321024.D  
 Acq On : 21 Mar 2006 18:55  
 Sample : JPL04-007 MW-3-4  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:57 2006

Vial: 27  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
1) Fluorobenzene	5.19	96	878004	50.00	ug/l	0.00	100.13%
50) Chlorobenzene-d5	8.55	82	319944	50.00	ug/l	0.00	107.20%
69) 1,4-Dichlorobenzene-d4	10.88	152	309330	50.00	ug/l	0.00	98.11%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
32) Dibromofluoromethane	4.27	111	227354	47.08	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	242175	50.86	ug/l	0.00	
51) Toluene-d8	7.05	98	830785	50.62	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	269994	52.92	ug/l	0.00	

Target Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )	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	911	Below Cal	#	40		
12) Iodomethane	0.00	142	0	N.D.				
13) Bromoethane	0.00	108	0	N.D.				
14) Carbon Disulfide	1.88	76	3173	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	113	N.D.				
20) trans-1,2-Dichloroethene	0.00	96	0	N.D.				
21) Acrylonitrile	2.34	53	109	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.				
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	4.78	78	151	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.				

(#) = qualifier out of range (m) = manual integration  
 Y0321024.D 8260B.M wed Mar 22 10:17:22 2006



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321024.D  
 Acq On : 21 Mar 2006 18:55  
 Sample : JPL04-007 MW-3-4  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:57 2006

Vial: 27  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	92	591		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	8.56	112	57		N.D.	
62) Ethylbenzene	8.71	91	1436		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	563		N.D.	
65) o-xylene	9.23	106	136		N.D.	
66) Styrene	9.24	104	772		N.D.	
67) Bromoform	9.40	173	66		N.D.	
68) Isopropylbenzene	9.61	105	138		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	61		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	268		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	70		N.D.	
78) 4-Chlorotoluene	10.18	91	195		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	247		N.D.	
81) sec-butylbenzene	10.73	105	233		N.D.	
82) 4-Isopropyltoluene	10.88	119	453		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	123		N.D.	
85) n-Butylbenzene	11.30	91	406		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	12.83	180	154	Below Cal	#	18
89) Hexachlorobutadiene	13.03	225	76	Below Cal	#	19
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	130	Below Cal	#	18

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321024.D           Vial: 27  
Acq On    : 21 Mar 2006  18:55                   Operator: JMD  
Sample    : JPL04-007 MW-3-4                   Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)               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

\*\*\*\*\*  
Y0321024.D  8260B.M    Wed Mar 22 10:17:33 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-3-3

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321025.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-3-3

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321025.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321025.D Vial: 28  
 Acq On : 21 Mar 2006 19:20 Operator: JMD  
 Sample : JPL04-008 MW-3-3 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:57 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	841908	50.00	ug/l	0.00 96.01%
50) Chlorobenzene-d5	8.55	82	299939	50.00	ug/l	0.00 100.50%
69) 1,4-Dichlorobenzene-d4	10.88	152	303788	50.00	ug/l	0.00 96.35%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	224964	48.59	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	233031	51.04	ug/l	0.00
51) Toluene-d8	7.05	98	773783	50.29	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	256071	51.10	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	1.79	43	866	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	3768	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.35	53	182	N.D.		
22) Vinyl acetate	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.79	63	1327	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) 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	739	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	4.52	75	118	N.D.		
39) Benzene	4.79	78	264	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	326	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0321025.D 8260B.M wed Mar 22 09:58:12 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321025.D Vial: 28  
 Acq On : 21 Mar 2006 19:20 Operator: JMD  
 Sample : JPL04-008 MW-3-3 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:57 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	527		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	761		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	2651		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-xylene	8.84	106	473		N.D.	
65) o-xylene	9.22	106	119		N.D.	
66) Styrene	9.24	104	1806		N.D.	
67) Bromoform	0.00	173	0		N.D.	
68) Isopropylbenzene	9.61	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.	
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	269		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.18	91	88		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	157		N.D.	
81) sec-butylbenzene	10.73	105	220		N.D.	
82) 4-Isopropyltoluene	10.90	119	265		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	356		N.D.	
85) n-Butylbenzene	11.29	91	408		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	329		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	205	Below Cal	#	56
89) Hexachlorobutadiene	13.03	225	53	Below Cal	#	19
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	313	Below Cal	#	81

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321025.D Vial: 28  
Acq On : 21 Mar 2006 19:20 Operator: JMD  
Sample : JPL04-008 MW-3-3 Inst : yoda  
Misc : 5mL+IS/SS #1 (524.2) 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

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Y0321025.D 8260B.M Wed Mar 22 09:58:33 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-3-2

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321026.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.2	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.7	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.3	J
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-3-2

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321026.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321026.D  
 Acq On : 21 Mar 2006 19:45  
 Sample : JPL04-009 MW-3-2  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:59 2006

Vial: 29  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
1) Fluorobenzene	5.19	96	866679	50.00	ug/l	0.00	98.84%
50) Chlorobenzene-d5	8.55	82	313964	50.00	ug/l	0.00	105.20%
69) 1,4-Dichlorobenzene-d4	10.88	152	322021	50.00	ug/l	0.00	102.13%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
32) Dibromofluoromethane	4.27	111	231927	48.66	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	240888	51.25	ug/l	0.00	
51) Toluene-d8	7.05	98	798602	49.59	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	274716	51.72	ug/l	0.00	

Target Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )	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	1383	N.D.				
15) Acetonitrile	0.00	40	0	N.D.				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.				
27) 2-Butanone	3.69	43	330	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	2420	0.25	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	4.50	117	4360	0.68	ug/l			97
36) Methyl methacrylate	0.00	41	0	N.D.				
37) 1,1-Dichloropropene	0.00	75	0	N.D.				
39) Benzene	4.79	78	71	N.D.				
40) 1,2-Dichloroethane	0.00	62	0	N.D.				
41) Isobutanol	0.00	43	0	N.D.				
42) Trichloroethene	5.65	130	1985	0.32	ug/l			53

(#) = qualifier out of range (m) = manual integration  
 Y0321026.D 8260B.M wed Mar 22 09:59:28 2006

*Jm 3/22/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321026.D Vial: 29  
 Acq On : 21 Mar 2006 19:45 Operator: JMD  
 Sample : JPL04-009 MW-3-2 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 9:59 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	184		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	363		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	395		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-xylene	8.84	106	212		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	126		N.D.	
68) Isopropylbenzene	9.62	105	53		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	62		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	101		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.18	91	65		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	130		N.D.	
81) sec-butylbenzene	10.73	105	228		N.D.	
82) 4-Isopropyltoluene	10.88	119	423		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	65		N.D.	
85) n-Butylbenzene	11.30	91	340		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.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321026.D           Vial: 29  
Acq On    : 21 Mar 2006 19:45                   Operator: JMD  
Sample    : JPL04-009 MW-3-2                   Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)             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

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Y0321026.D 8260B.M   Wed Mar 22 10:00:52 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-4-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321027.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.4	J
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-4-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321027.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321027.D  
 Acq On : 21 Mar 2006 20:09  
 Sample : JPL04-010 DUPE-4-1Q06  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 10:01 2006

Vial: 30  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.18	96	884086	50.00	ug/l	0.00 100.82%
50) Chlorobenzene-d5	8.55	82	319046	50.00	ug/l	0.00 106.90%
69) 1,4-Dichlorobenzene-d4	10.88	152	308533	50.00	ug/l	0.00 97.86%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	236304	48.60	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.71	65	242270	50.53	ug/l	0.00
51) ToLuene-d8	7.05	98	810078	49.50	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	272017	53.45	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	1.88	76	1153	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	228	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.		
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	2042	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	4.49	117	2670	0.41	ug/l	94
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	4.78	78	172	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	1130	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0321027.D 8260B.M wed Mar 22 10:01:23 2006

*Handwritten signature/initials*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321027.D Vial: 30  
 Acq On : 21 Mar 2006 20:09 Operator: JMD  
 Sample : JPL04-010 DUPE-4-1Q06 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 10:01 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	321		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	60		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	600		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	342		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	133		N.D.	
68) Isopropylbenzene	9.74	105	299		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.	
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	145		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	120		N.D.	
78) 4-Chlorotoluene	10.01	91	145		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	66		N.D.	
81) sec-butylbenzene	10.74	105	230		N.D.	
82) 4-Isopropyltoluene	10.89	119	278		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	133		N.D.	
85) n-Butylbenzene	11.30	91	297		N.D.	
86) 1,2-Dichlorobenzene	11.24	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.	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.	



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321027.D           Vial: 30  
Acq On    : 21 Mar 2006 20:09                   Operator: JMD  
Sample    : JPL04-010 DUPE-4-1Q06             Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)             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

\*\*\*\*\*  
Y0321027.D 8260B.M   Wed Mar 22 10:01:36 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-9-32006

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-011Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321028.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-9-32006

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-011Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321028.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		1.0	J
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321028.D Vial: 31  
 Acq On : 21 Mar 2006 20:34 Operator: JMD  
 Sample : JPL04-011 EB-9-32006 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 10:02 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	900781	50.00	ug/l	0.00 102.73%
50) Chlorobenzene-d5	8.55	82	327484	50.00	ug/l	0.00 109.73%
69) 1,4-Dichlorobenzene-d4	10.88	152	330232	50.00	ug/l	0.00 104.74%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	240922	48.63	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	248449	50.86	ug/l	0.00
51) Toluene-d8	7.05	98	831809	49.52	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	282946	51.94	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	1.78	43	17473	10.89	ug/l	91
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.	d	
15) Acetonitrile	0.00	40	0	N.D.	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.		
27) 2-Butanone	3.60	43	2451	1.04	ug/l	# 74
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	699	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	4.52	75	53	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0321028.D 8260B.M wed Mar 22 10:02:32 2006

*Handwritten signature/initials*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321028.D  
 Acq On : 21 Mar 2006 20:34  
 Sample : JPL04-011 EB-9-32006  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 22 10:02 2006

Vial: 31  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	365		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	147		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	261		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.40	173	142		N.D.	
68) Isopropylbenzene	9.74	105	267		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.74	110	63		N.D.	
76) 2-Chlorotoluene	10.02	91	208		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	121		N.D.	
78) 4-Chlorotoluene	10.19	91	67		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	273		N.D.	
81) sec-butylbenzene	10.74	105	191		N.D.	
82) 4-Isopropyltoluene	10.89	119	325		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	72		N.D.	
85) n-Butylbenzene	11.29	91	353		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.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321028.D                   Vial: 31  
Acq On    : 21 Mar 2006  20:34                   Operator: JMD  
Sample    : JPL04-011 EB-9-32006               Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)               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

\*\*\*\*\*  
Y0321028.D  8260B.M    Wed Mar 22 10:02:39 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-9-32006

Lab Name: Laucks Testing LabsSDG No.: JPL04Matrix: (soil/water) WATERLab Sample ID: JPL04-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0321012.DLevel: (low/med) LOWDate Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

**TB-9-32006**

Lab Name: Laucks Testing Labs

SDG No.: JPL04

Matrix: (soil/water) WATER

Lab Sample ID: JPL04-012

Sample wt/vol: 5.0 (g/ml) ML

Lab File ID: Y0321012.D

Level: (low/med) LOW

Date Received: 03/21/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/21/06

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

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

95-50-1	1,2-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
98-82-8	Isopropylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
110-75-8	2-Chlorotoluene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha	0.5	U
78-93-3	2-Butanone	5.0	U
108-86-1	Bromobenzene	0.5	U
108-10-1	4-Methyl-2-pentanone	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U



1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

TB-9-32006

Lab Name: Laucks Testing Labs Contract: \_\_\_\_\_  
Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: JPL04  
Matrix: (soil/water) WATER Lab Sample ID: JPL04-012  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Y0321012.D  
Level: (low/med) LOW Date Received: 03/21/06  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 03/21/06  
GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1. 001066-40-6	Silanol, trimethyl-	3.69	7.3	JN

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321012.D Vial: 15  
 Acq On : 21 Mar 2006 13:59 Operator: JMD  
 Sample : JPL04-012 TB-9-32006 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 14:14 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	862167	50.00	ug/l	0.00 98.32%
50) Chlorobenzene-d5	8.55	82	305933	50.00	ug/l	0.00 102.51%
69) 1,4-Dichlorobenzene-d4	10.88	152	333966	50.00	ug/l	0.00 105.92%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	237711	50.13	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	234320	50.12	ug/l	0.00
51) Toluene-d8	7.05	98	780096	49.71	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	271111	49.22	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	1.78	43	2222	Below Cal	#	75
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.	d	
15) Acetonitrile	0.00	40	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.12	84	493	Below Cal	#	57
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.		
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	4.47	75	216	N.D.		
39) Benzene	4.78	78	80	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0321012.D 8260B.M Tue Mar 21 14:14:51 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032106\Y0321012.D  
 Acq On : 21 Mar 2006 13:59  
 Sample : JPL04-012 TB-9-32006  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 21 14:14 2006

Vial: 15  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	802		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	70		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	8.57	112	86		N.D.	
62) Ethylbenzene	8.71	91	438		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	277		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	56		N.D.	
67) Bromoform	9.40	173	111		N.D.	
68) Isopropylbenzene	9.62	105	441		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.21	120	79		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	75		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	244		N.D.	
78) 4-Chlorotoluene	10.18	91	395		N.D.	
79) tert-Butylbenzene	10.52	119	130		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	377		N.D.	
81) sec-butylbenzene	10.73	105	495		N.D.	
82) 4-Isopropyltoluene	10.89	119	736		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	378		N.D.	
85) n-Butylbenzene	11.29	91	780		N.D.	
86) 1,2-Dichlorobenzene	11.24	146	268		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	535	Below Cal	#	75
89) Hexachlorobutadiene	13.04	225	197	Below Cal	#	63
90) Naphthalene	13.06	128	431		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	157	Below Cal	#	40

**Metals Data**

**JPL04**

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL04

SOW No.: \_\_\_\_\_

Sample No.  
DUPE-4-1Q06  
EB-9-3/20/06  
MW-3-2  
MW-3-2MS  
MW-3-2MSD  
MW-3-3  
MW-3-4

Lab Sample ID  
JPL04-010  
JPL04-011  
JPL04-009  
JPL04-009MS  
JPL04-009MSD  
JPL04-008  
JPL04-007

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  
 Date: 4/5/06

Name: Jennifer R. Ancona  
 Title: Chemist

## **Metals Analysis Data Sheets**

## INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

MW-3-4

Lab Name: Laucks LaboratoriesContract: JPL Groundwater MonitorinLab Code: LAUCKS SDG No.: JPL04Run Sequence ID: R005913Matrix (soil/water): WaterLab Sample ID: JPL04-007Level (low/med): LOWDate Received: 03/21/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_Color After: Colorless Clarity After: Clear Artifacts: NoComment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-3-3
--------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL04

Run Sequence ID: R005913

Matrix (soil/water): Water

Lab Sample ID: JPL04-008

Level (low/med): LOW

Date Received: 03/21/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White 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 LaboratoriesContract: JPL Groundwater MonitorinLab Code: LAUCKS SDG No.: JPL04Run Sequence ID: R005913Matrix (soil/water): WaterLab Sample ID: JPL04-009Level (low/med): LOWDate Received: 03/21/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_Color After: Colorless Clarity After: Clear Artifacts: No
 Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

DUPE-4-1Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL04

Run Sequence ID: R005913

Matrix (soil/water): Water

Lab Sample ID: JPL04-010

Level (low/med): LOW

Date Received: 03/21/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

## INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

EB-9-3/20/06

Lab Name: Laucks LaboratoriesContract: JPL Groundwater MonitorinLab Code: LAUCKS SDG No.: JPL04Run Sequence ID: R005913Matrix (soil/water): WaterLab Sample ID: JPL04-011Level (low/med): LOWDate Received: 03/21/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_Color After: Colorless Clarity After: Clear Artifacts: No
 Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Miscellaneous Inorganic Data**

**JPL04**

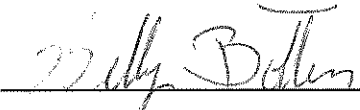
**Laucks Testing Laboratories**  
**Cover Page - Analysis Data Package**

Lab Code: LAUCKS

SDG Number: JPL04

Client Sample Identification	Lab Sample Identification
MW-19-5	JPL04-001DL 4X
MW-19-4	JPL04-002DL 4X
MW-19-3	JPL04-003DL 4X
MW-19-2	JPL04-004DL 4X
MW-19-1	JPL04-005DL 2X
DUPE-3-1Q06	JPL04-006DL 2X
MW-3-4	JPL04-007DL 2X
MW-3-3	JPL04-008DL 2X
MW-3-2	JPL04-009DL 2X
MW-3-2MS	JPL04-009MS 2X
MW-3-2MSD	JPL04-009MSD 2X
DUPE-4-1Q06	JPL04-010DL 2X
EB-9-3/20/06	JPL04-011

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: Kelly Bottem  
 Date: April 06, 2006 Title: Department Manager

## **Inorganic Analysis Data Sheets**

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: MW-19-5 Date/Time Collected: 03/20/2006 08:25  
Lab Sample ID: JPL04-001 Date/Time Received: 03/21/2006 08:50  
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	0.80	03/27/2006	03/28/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: MW-19-4 Date/Time Collected: 03/20/2006 08:45  
Lab Sample ID: JPL04-002 Date/Time Received: 03/21/2006 08:50  
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	0.80	03/27/2006	03/28/2006	R005778



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: MW-19-3 Date/Time Collected: 03/20/2006 09:01  
Lab Sample ID: JPL04-003 Date/Time Received: 03/21/2006 08:50  
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	0.80	03/27/2006	03/28/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: MW-19-2 Date/Time Collected: 03/20/2006 09:19  
Lab Sample ID: JPL04-004 Date/Time Received: 03/21/2006 08:50  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.5		4.0	0.80	03/27/2006	03/28/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: MW-19-1 Date/Time Collected: 03/20/2006 09:38  
Lab Sample ID: JPL04-005 Date/Time Received: 03/21/2006 08:50  
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	0.40	03/27/2006	03/28/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: DUPE-3-1Q06 Date/Time Collected: 03/20/2006 00:00  
Lab Sample ID: JPL04-006 Date/Time Received: 03/21/2006 08:50  
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	0.40	03/27/2006	03/28/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: MW-3-4 Date/Time Collected: 03/20/2006 10:50  
Lab Sample ID: JPL04-007 Date/Time Received: 03/21/2006 08:50  
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	0.40	03/27/2006	03/28/2006	R005778

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: MW-3-3 Date/Time Collected: 03/20/2006 11:23  
Lab Sample ID: JPL04-008 Date/Time Received: 03/21/2006 08:50  
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	0.40	04/03/2006	04/03/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: MW-3-2 Date/Time Collected: 03/20/2006 12:00  
Lab Sample ID: JPL04-009 Date/Time Received: 03/21/2006 08:50  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	34		2.0	0.40	04/03/2006	04/03/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: DUPE-4-1Q06 Date/Time Collected: 03/20/2006 00:00  
Lab Sample ID: JPL04-010 Date/Time Received: 03/21/2006 08:50  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	35		2.0	0.40	04/03/2006	04/03/2006	R005923



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL04  
Sample Number: EB-9-3/20/06 Date/Time Collected: 03/20/2006 11:46  
Lab Sample ID: JPL04-011 Date/Time Received: 03/21/2006 08:50  
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	0.20	04/03/2006	04/03/2006	R005923

**SAMPLE DATA**

SDG # JPL05

Volatiles Analysis

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-5

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324009.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-5

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324009.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324009.D  
 Acq On : 24 Mar 2006 11:34  
 Sample : JPL05-001 MW-14-5  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 12:50 2006

Vial: 17  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
1) Fluorobenzene	5.19	96	847438	50.00	ug/l	0.00	96.64%
50) Chlorobenzene-d5	8.55	82	301037	50.00	ug/l	0.00	100.87%
69) 1,4-Dichlorobenzene-d4	10.87	152	301715	50.00	ug/l	0.00	95.69%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	223969	48.06	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	233861	50.89	ug/l	0.00	
51) Toluene-d8	7.05	98	782416	50.67	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	260997	52.44	ug/l	0.00	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )	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	550	Below Cal	#	40		
12) Iodomethane	0.00	142	0	N.D.				
13) Bromoethane	0.00	108	0	N.D.				
14) Carbon Disulfide	1.88	76	3831	N.D.				
15) Acetonitrile	0.00	40	0	N.D.	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	2.34	53	299	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.				
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	4.51	75	62	N.D.				
39) Benzene	4.77	78	189	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.				

(#) = qualifier out of range (m) = manual integration  
 Y0324009.D 8260B.M Fri Mar 24 12:50:32 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324009.D  
 Acq On : 24 Mar 2006 11:34  
 Sample : JPL05-001 MW-14-5  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 12:50 2006

Vial: 17  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	375		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	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	8.57	112	185		N.D.	
62) Ethylbenzene	8.71	91	548		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	458		N.D.	
65) o-xylene	9.23	106	111		N.D.	
66) Styrene	9.24	104	633		N.D.	
67) Bromoform	9.40	173	66		N.D.	
68) Isopropylbenzene	9.61	105	376		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	56		N.D.	
72) n-Propylbenzene	10.02	120	150		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.74	110	54		N.D.	
76) 2-Chlorotoluene	10.07	91	206		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	295		N.D.	
78) 4-Chlorotoluene	10.18	91	465		N.D.	
79) tert-Butylbenzene	10.51	119	287		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	398		N.D.	
81) sec-butylbenzene	10.73	105	496		N.D.	
82) 4-Isopropyltoluene	10.90	119	772		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	410		N.D.	
85) n-Butylbenzene	11.29	91	746		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	77		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	533	Below Cal	#	69
89) Hexachlorobutadiene	13.03	225	238	Below Cal	#	83
90) Naphthalene	13.06	128	638		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	370	Below Cal	#	83

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324009.D Vial: 17  
Acq On : 24 Mar 2006 11:34 Operator: JMD  
Sample : JPL05-001 MW-14-5 Inst : yoda  
Misc : 5mL+IS/SS #2 (524.2) 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

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Y0324009.D 8260B.M Fri Mar 24 12:50:42 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-4

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324010.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-4

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324010.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324010.D Vial: 18  
 Acq On : 24 Mar 2006 11:59 Operator: JMD  
 Sample : JPL05-002 MW-14-4 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 12:52 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	858289	50.00	ug/l	0.00 97.88%
50) Chlorobenzene-d5	8.55	82	305212	50.00	ug/l	0.00 102.27%
69) 1,4-Dichlorobenzene-d4	10.87	152	303877	50.00	ug/l	0.00 96.38%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	237148	50.24	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	241568	51.90	ug/l	0.00
51) Toluene-d8	7.05	98	777218	49.64	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	260922	52.06	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	1.77	43	2008	Below Cal	#	68
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	2820	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	296	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	351	N.D.		
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	4.03	83	1262	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	4.52	75	564	N.D.		
39) Benzene	4.79	78	59	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.66	130	356	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0324010.D 8260B.M Fri Mar 24 12:52:48 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324010.D  
 Acq On : 24 Mar 2006 11:59  
 Sample : JPL05-002 MW-14-4  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 12:52 2006

Vial: 18  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	6.99	43	267		N.D.	
52) Toluene	7.13	92	577		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	1645		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	397		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	116		N.D.	
66) Styrene	9.24	104	129		N.D.	
67) Bromoform	9.40	173	201		N.D.	
68) Isopropylbenzene	9.60	105	450		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.	
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	273		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	322		N.D.	
78) 4-Chlorotoluene	10.19	91	322		N.D.	
79) tert-Butylbenzene	10.52	119	193		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	72		N.D.	
81) sec-butylbenzene	10.73	105	537		N.D.	
82) 4-Isopropyltoluene	10.88	119	770		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	184		N.D.	
84) 1,4-Dichlorobenzene	10.90	146	1068		N.D.	
85) n-Butylbenzene	11.29	91	841		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	921		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.84	180	444	Below Cal	#	72
89) Hexachlorobutadiene	13.03	225	228	Below Cal	#	83
90) Naphthalene	13.06	128	503		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	479	Below Cal	#	83

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324010.D           Vial: 18  
Acq On    : 24 Mar 2006 11:59                   Operator: JMD  
Sample    : JPL05-002 MW-14-4                  Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)              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

\*\*\*\*\*  
Y0324010.D 8260B.M    Fri Mar 24 12:53:06 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-3

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324011.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.3	J
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		1.1	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	J
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-3

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324011.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324011.D Vial: 19  
 Acq On : 24 Mar 2006 12:24 Operator: JMD  
 Sample : JPL05-003 MW-14-3 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 12:53 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	850589	50.00	ug/l	0.00 97.00%
50) Chlorobenzene-d5	8.55	82	303243	50.00	ug/l	0.00 101.61%
69) 1,4-Dichlorobenzene-d4	10.88	152	296133	50.00	ug/l	0.00 93.92%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	231045	49.39	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	235258	51.00	ug/l	0.00
51) Toluene-d8	7.05	98	773049	49.70	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	256876	52.59	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	1.87	76	2225	N.D.		
15) Acetonitrile	1.96	40	86	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	3012	0.32 ug/l	✓	99
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	812	N.D.		
27) 2-Butanone	3.67	43	70	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	4348	0.46 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	4.79	78	55	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	7028	1.14 ug/l	✓	96

(#) = qualifier out of range (m) = manual integration  
 Y0324011.D 8260B.M Fri Mar 24 12:53:53 2006

*jm 3/24/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324011.D  
 Acq On : 24 Mar 2006 12:24  
 Sample : JPL05-003 MW-14-3  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 12:53 2006

Vial: 19  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	454	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	467	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	3236	0.48 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	8.57	112	75	N.D.	
62) Ethylbenzene	8.71	91	476	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.84	106	655	N.D.	
65) o-xylene	9.22	106	54	N.D.	
66) Styrene	9.24	104	621	N.D.	
67) Bromoform	9.40	173	217	N.D.	
68) Isopropylbenzene	9.61	105	186	N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	76	N.D.	
72) n-Propylbenzene	0.00	120	0	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
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	108	N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	156	N.D.	
78) 4-Chlorotoluene	10.18	91	168	N.D.	
79) tert-Butylbenzene	10.52	119	230	N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	130	N.D.	
81) sec-butylbenzene	10.74	105	411	N.D.	
82) 4-Isopropyltoluene	10.89	119	533	N.D.	
83) 1,3-Dichlorobenzene	10.81	111	560	N.D.	
84) 1,4-Dichlorobenzene	10.81	146	1895	N.D.	
85) n-Butylbenzene	11.29	91	676	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	800	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

*m. j. m. / 06*



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324011.D                   Vial: 19  
Acq On    : 24 Mar 2006 12:24                   Operator: JMD  
Sample    : JPL05-003 MW-14-3                  Inst     : yoda  
Misc      : 5mL+IS/SS #1 (524.2)              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

\*\*\*\*\*  
Y0324011.D 8260B.M    Fri Mar 24 12:54:50 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-2

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324012.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.3	J
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		6.3	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	J
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-2

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324012.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324012.D Vial: 20  
 Acq On : 24 Mar 2006 12:48 Operator: JMD  
 Sample : JPL05-004 MW-14-2 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 13:27 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	844400	50.00	ug/l	0.00 96.30%
50) Chlorobenzene-d5	8.55	82	298899	50.00	ug/l	0.00 100.15%
69) 1,4-Dichlorobenzene-d4	10.88	152	294114	50.00	ug/l	0.00 93.28%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	225086	48.47	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	231211	50.49	ug/l	0.00
51) Toluene-d8	7.05	98	775877	50.61	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	253537	52.26	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	1.87	76	2122	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.36	96	1296	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	2700	0.29	ug/l	89
24) Chloroprene	0.00	53	0	N.D.		
25) 2,2-Dichloropropane	0.00	77	0	N.D.		
26) cis-1,2-Dichloroethene	3.50	96	1382	N.D.		
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	4641	0.50	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	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	5.65	130	38452	6.28	ug/l	98

(#) = qualifier out of range (m) = manual integration  
 Y0324012.D 8260B.M Fri Mar 24 13:28:05 2006

*Jm 3/24/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324012.D  
 Acq On : 24 Mar 2006 12:48  
 Sample : JPL05-004 MW-14-2  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 13:27 2006

Vial: 20  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	500	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	180	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	3259	0.49 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	8.71	91	414	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.83	106	676	N.D.	
65) o-xylene	9.22	106	53	N.D.	
66) Styrene	9.24	104	347	N.D.	
67) Bromoform	9.40	173	182	N.D.	
68) Isopropylbenzene	9.61	105	233	N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	54	N.D.	
72) n-Propylbenzene	0.00	120	0	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
74) Bromobenzene	0.00	156	0	N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0	N.D.	
76) 2-Chlorotoluene	10.08	91	62	N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	109	N.D.	
78) 4-Chlorotoluene	10.18	91	68	N.D.	
79) tert-Butylbenzene	10.51	119	155	N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	130	N.D.	
81) sec-butylbenzene	10.74	105	340	N.D.	
82) 4-Isopropyltoluene	10.88	119	511	N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0	N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	483	N.D.	
85) n-Butylbenzene	11.29	91	517	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	559	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

*Jm 7/24/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324012.D           Vial: 20  
Acq On    : 24 Mar 2006 12:48                   Operator: JMD  
Sample    : JPL05-004 MW-14-2                  Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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 .

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Y0324012.D 8260B.M    Fri Mar 24 13:28:15 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-1

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324013.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-14-1

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324013.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324013.D Vial: 21  
 Acq On : 24 Mar 2006 13:13 Operator: JMD  
 Sample : JPL05-005 MW-14-1 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 13:29 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	849874	50.00	ug/l	0.00 96.92%
50) Chlorobenzene-d5	8.55	82	297046	50.00	ug/l	0.00 99.53%
69) 1,4-Dichlorobenzene-d4	10.88	152	296967	50.00	ug/l	0.00 94.19%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	228681	48.93	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	237235	51.48	ug/l	0.00
51) Toluene-d8	7.05	98	773123	50.74	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	254101	51.87	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	1.88	76	1163	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2121	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) 2-Butanone	3.66	43	92	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	1616	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	116	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	160	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0324013.D 8260B.M Fri Mar 24 13:29:14 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324013.D  
 Acq On : 24 Mar 2006 13:13  
 Sample : JPL05-005 MW-14-1  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 13:29 2006

Vial: 21  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	6.26	83	111		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	484		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	1274		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	56		N.D.	
62) Ethylbenzene	8.71	91	613		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	1105		N.D.	
65) o-xylene	9.22	106	148		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	60		N.D.	
68) Isopropylbenzene	9.74	105	236		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.74	110	73		N.D.	
76) 2-Chlorotoluene	10.07	91	75		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	120		N.D.	
78) 4-Chlorotoluene	10.18	91	85		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	117		N.D.	
81) sec-butylbenzene	10.74	105	371		N.D.	
82) 4-Isopropyltoluene	10.90	119	600		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	190		N.D.	
85) n-Butylbenzene	11.30	91	424		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	197		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.84	180	427	Below Cal	#	77
89) Hexachlorobutadiene	13.03	225	127	Below Cal	#	19
90) Naphthalene	13.06	128	291		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	418	Below Cal	#	71

(#) = qualifier out of range (m) = manual integration  
 Y0324013.D 8260B.M Fri Mar 24 13:29:15 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324013.D Vial: 21  
Acq On : 24 Mar 2006 13:13 Operator: JMD  
Sample : JPL05-005 MW-14-1 Inst : yoda  
Misc : 5mL+IS/SS #1 (524.2) 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

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Y0324013.D 8260B.M Fri Mar 24 13:29:26 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-10-32106

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324014.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-10-32106

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324014.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324014.D      vial: 22  
 Acq On : 24 Mar 2006 13:38      Operator: JMD  
 Sample : JPL05-006 EB-10-32106      Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2)      Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 13:53 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	837330	50.00	ug/l	0.00 95.49%
50) Chlorobenzene-d5	8.55	82	297297	50.00	ug/l	0.00 99.62%
69) 1,4-Dichlorobenzene-d4	10.88	152	305435	50.00	ug/l	0.00 96.87%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	227833	49.47	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	234592	51.66	ug/l	0.00
51) Toluene-d8	7.05	98	759566	49.81	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	256354	50.88	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	1.78	43	16196	10.85	ug/l	93
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	4111	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.03	83	448	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	4.79	78	128	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.		

*Jm 3/24/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324014.D  
 Acq On : 24 Mar 2006 13:38  
 Sample : JPL05-006 EB-10-32106  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 13:53 2006

Vial: 22  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	92	298		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	150		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	246		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	117		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	353		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	147		N.D.	
78) 4-Chlorotoluene	10.19	91	167		N.D.	
79) tert-Butylbenzene	10.51	119	55		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	229		N.D.	
81) sec-butylbenzene	10.74	105	344		N.D.	
82) 4-Isopropyltoluene	10.89	119	452		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	11.29	91	479		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.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324014.D                   Vial: 22  
Acq On    : 24 Mar 2006  13:38                   Operator: JMD  
Sample    : JPL05-006 EB-10-32106               Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)               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

\*\*\*\*\*  
Y0324014.D  8260B.M    Fri Mar 24 13:54:03 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-17-4

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324015.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		1.1	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-17-4

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324015.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324015.D      Vial: 23  
 Acq On : 24 Mar 2006 14:02      Operator: JMD  
 Sample : JPL05-007 MW-17-4      Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2)      Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 15:05 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	839217	50.00	ug/l	0.00 95.71%
50) Chlorobenzene-d5	8.54	82	302663	50.00	ug/l	0.00 101.41%
69) 1,4-Dichlorobenzene-d4	10.87	152	294062	50.00	ug/l	0.00 93.27%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	221328	47.95	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	231022	50.76	ug/l	0.00
51) Toluene-d8	7.05	98	773084	49.80	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	254989	52.57	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	1.87	76	1507	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.34	53	1250	0.73	ug/l #	80
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.		
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	1698	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	54	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	6800	1.12	ug/l	98

(#) = qualifier out of range (m) = manual integration  
 Y0324015.D 8260B.M Fri Mar 24 15:06:01 2006

*ms 3/24/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324015.D  
 Acq On : 24 Mar 2006 14:02  
 Sample : JPL05-007 MW-17-4  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 15:05 2006

Vial: 23  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	439		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	684		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	487		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	648		N.D.	
65) o-xylene	9.22	106	272		N.D.	
66) Styrene	9.24	104	857		N.D.	
67) Bromoform	9.40	173	71		N.D.	
68) Isopropylbenzene	9.62	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.	
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	323		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.18	91	76		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	180		N.D.	
81) sec-butylbenzene	10.74	105	282		N.D.	
82) 4-Isopropyltoluene	10.89	119	436		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	236		N.D.	
85) n-Butylbenzene	11.29	91	482		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.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324015.D                   Vial: 23  
Acq On    : 24 Mar 2006 14:02                   Operator: JMD  
Sample    : JPL05-007 MW-17-4                  Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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

\*\*\*\*\*  
Y0324015.D 8260B.M    Fri Mar 24 15:06:12 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-17-3

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324016.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		1.4	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		2.8	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		1.7	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.4	J
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-17-3

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324016.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324016.D  
 Acq On : 24 Mar 2006 14:27  
 Sample : JPL05-008 MW-17-3  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 15:07 2006

Vial: 24  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	837427	50.00	ug/l	0.00 95.50%
50) Chlorobenzene-d5	8.55	82	304939	50.00	ug/l	0.00 102.18%
69) 1,4-Dichlorobenzene-d4	10.88	152	305602	50.00	ug/l	0.00 96.93%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	221686	48.13	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.71	65	234657	51.67	ug/l	0.00
51) Toluene-d8	7.05	98	779471	49.83	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	259682	51.52	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	1.73	96	276	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	1.77	101	341	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	1442	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	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	0.00	43	0	N.D.		
23) 1,1-Dichloroethane	2.78	63	1758	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) 2-Butanone	3.66	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	4.03	83	12570	1.35	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	4.50	117	17593	2.83	ug/l	97
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.51	75	54	N.D.		
39) Benzene	4.77	78	127	N.D.		
40) 1,2-Dichloroethane	4.81	62	200	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.66	130	10182	1.68	ug/l	98

(#) = qualifier out of range (m) = manual integration  
 Y0324016.D 8260B.M Fri Mar 24 15:07:12 2006

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 3/24/06



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324016.D  
 Acq On : 24 Mar 2006 14:27  
 Sample : JPL05-008 MW-17-3  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 15:07 2006

Vial: 24  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	6.26	83	413	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	224	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	2941	0.43 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	8.57	112	57	N.D.	
62) Ethylbenzene	8.72	91	364	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.83	106	522	N.D.	
65) o-xylene	9.23	106	67	N.D.	
66) Styrene	0.00	104	0	N.D.	
67) Bromoform	9.39	173	115	N.D.	
68) Isopropylbenzene	9.74	105	277	N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	75	N.D.	
72) n-Propylbenzene	0.00	120	0	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
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	65	N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
78) 4-Chlorotoluene	10.19	91	233	N.D.	
79) tert-Butylbenzene	0.00	119	0	N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	254	N.D.	
81) sec-butylbenzene	10.74	105	236	N.D.	
82) 4-Isopropyltoluene	10.89	119	392	N.D.	
83) 1,3-Dichlorobenzene	10.80	111	253	N.D.	
84) 1,4-Dichlorobenzene	10.81	146	903	N.D.	
85) n-Butylbenzene	11.28	91	408	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	562	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	

*Handwritten signature*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324016.D                   Vial: 24  
Acq On    : 24 Mar 2006 14:27                   Operator: JMD  
Sample    : JPL05-008 MW-17-3                  Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)              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

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Y0324016.D 8260B.M    Fri Mar 24 15:07:27 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-17-2

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324017.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.7	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		1.3	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.6	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

**MW-17-2**

Lab Name: Laucks Testing Labs

SDG No.: JPL05

Matrix: (soil/water) WATER

Lab Sample ID: JPL05-009

Sample wt/vol: 5.0 (g/ml) ML

Lab File ID: Y0324017.D

Level: (low/med) LOW

Date Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06

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

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

95-50-1	1,2-Dichlorobenzene	0.5	U
106-46-7	1,4-Dichlorobenzene	0.5	U
98-82-8	Isopropylbenzene	0.5	U
541-73-1	1,3-Dichlorobenzene	0.5	U
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U
96-18-4	1,2,3-Trichloropropane	0.5	U
87-61-6	1,2,3-Trichlorobenzene	0.5	U
120-82-1	1,2,4-Trichlorobenzene	0.5	U
95-63-6	1,2,4-Trimethylbenzene	0.5	U
108-67-8	1,3,5-Trimethylbenzene	0.5	U
110-75-8	2-Chlorotoluene	0.5	U
106-43-4	4-Chlorotoluene	0.5	U
99-87-6	4-Isopropyltoluene	0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha	0.5	U
78-93-3	2-Butanone	5.0	U
108-86-1	Bromobenzene	0.5	U
108-10-1	4-Methyl-2-pentanone	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	0.5	U
1634-04-4	Methyl tert-butyl ether	0.5	U
87-68-3	Hexachlorobutadiene	0.5	U
91-20-3	Naphthalene	0.5	U
104-51-8	n-Butylbenzene	0.5	U
103-65-1	n-Propylbenzene	0.5	U
135-98-8	sec-Butylbenzene	0.5	U
98-06-6	tert-Butylbenzene	0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324017.D  
 Acq On : 24 Mar 2006 14:52  
 Sample : JPL05-009 MW-17-2  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 15:08 2006

Vial: 25  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	854322	50.00	ug/l	0.00 97.43%
50) Chlorobenzene-d5	8.55	82	308258	50.00	ug/l	0.00 103.29%
69) 1,4-Dichlorobenzene-d4	10.88	152	305310	50.00	ug/l	0.00 96.83%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	225640	48.02	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	235805	50.90	ug/l	0.00
51) Toluene-d8	7.05	98	789278	49.92	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	261540	51.93	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	1.88	76	1298	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	61	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	2358	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) 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	6851	0.72	ug/l ✓	94
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	4.50	117	1575	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	4.79	78	70	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	8222	1.33	ug/l ✓	97

(#) = qualifier out of range (m) = manual integration  
 Y0324017.D 8260B.M Fri Mar 24 15:08:26 2006

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Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324017.D  
 Acq On : 24 Mar 2006 14:52  
 Sample : JPL05-009 MW-17-2  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 15:08 2006

Vial: 25  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	92	278		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	4273	0.62	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	8.57	112	117		N.D.	
62) Ethylbenzene	8.72	91	355		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	506		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	54		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	255		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	53		N.D.	
78) 4-Chlorotoluene	10.18	91	60		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	118		N.D.	
81) sec-butylbenzene	10.73	105	188		N.D.	
82) 4-Isopropyltoluene	10.89	119	319		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.89	146	265		N.D.	
85) n-Butylbenzene	11.29	91	382		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	190		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

*Handwritten signature*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324017.D                   Vial: 25  
Acq On    : 24 Mar 2006 14:52                   Operator: JMD  
Sample    : JPL05-009 MW-17-2                  Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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

\*\*\*\*\*  
Y0324017.D 8260B.M    Fri Mar 24 15:08:35 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-10-32106

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324018.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-10-32106

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324018.DLevel: (low/med) LOWDate Received: 03/22/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324018.D Vial: 26  
 Acq On : 24 Mar 2006 15:16 Operator: JMD  
 Sample : JPL05-010 TB-10-32106 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 15:37 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	848089	50.00	ug/l	0.00 96.72%
50) Chlorobenzene-d5	8.55	82	308728	50.00	ug/l	0.00 103.45%
69) 1,4-Dichlorobenzene-d4	10.88	152	294679	50.00	ug/l	0.00 93.46%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	223099	47.83	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	237821	51.71	ug/l	0.00
51) Toluene-d8	7.05	98	797446	50.36	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	256458	52.76	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	0.00	76	0	N.D.	d	
15) Acetonitrile	0.00	40	0	N.D.	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.		
27) 2-Butanone	3.62	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	4.53	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0324018.D 8260B.M Fri Mar 24 15:37:29 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324018.D  
 Acq On : 24 Mar 2006 15:16  
 Sample : JPL05-010 TB-10-32106  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 24 15:37 2006

Vial: 26  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	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	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	8.85	91	201		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	67		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.40	173	61		N.D.	
68) Isopropylbenzene	9.60	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.	
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	210		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	109		N.D.	
78) 4-Chlorotoluene	10.19	91	222		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	63		N.D.	
81) sec-butylbenzene	10.73	105	94		N.D.	
82) 4-Isopropyltoluene	10.88	119	332		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	200		N.D.	
85) n-Butylbenzene	11.29	91	362		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.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324018.D           Vial: 26  
Acq On    : 24 Mar 2006  15:16                   Operator: JMD  
Sample    : JPL05-010 TB-10-32106               Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)               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

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Y0324018.D  8260B.M   Fri Mar 24 15:37:37 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23-3

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324019.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5	U	
74-87-3	Chloromethane	0.5	U	
75-01-4	Vinyl chloride	0.5	U	
74-83-9	Bromomethane	0.5	U	
75-00-3	Chloroethane	0.5	U	
75-69-4	Trichlorofluoromethane	0.5	U	
75-35-4	1,1-Dichloroethene	0.5	U	
75-09-2	Methylene Chloride	0.5	U	
156-60-5	trans-1,2-Dichloroethene	0.5	U	
75-34-3	1,1-Dichloroethane	0.5	U	
594-20-7	2,2-Dichloropropane	0.5	U	
156-59-2	cis-1,2-Dichloroethene	0.5	U	
74-97-5	Bromochloromethane	0.5	U	
67-66-3	Chloroform	0.5	U	
563-58-6	1,1-Dichloropropene	0.5	U	
71-55-6	1,1,1-Trichloroethane	0.5	U	
56-23-5	Carbon tetrachloride	0.5	U	
71-43-2	Benzene	0.5	U	
107-06-2	1,2-Dichloroethane	0.5	U	
79-01-6	Trichloroethene	0.5	U	
78-87-5	1,2-Dichloropropane	0.5	U	
74-95-3	Dibromomethane	0.5	U	
75-27-4	Bromodichloromethane	0.5	U	
10061-01-5	cis-1,3-Dichloropropene	0.5	U	
108-88-3	Toluene	0.5	U	
10061-02-6	trans-1,3-Dichloropropene	0.5	U	
79-00-5	1,1,2-Trichloroethane	0.5	U	
127-18-4	Tetrachloroethene	0.5	U	
124-48-1	Dibromochloromethane	0.5	U	
106-93-4	1,2-Dibromoethane	0.5	U	
100-41-4	Ethylbenzene	0.5	U	
142-28-9	1,3-Dichloropropane	0.5	U	
108-90-7	Chlorobenzene	0.5	U	
108-38-3	m,p-Xylene	1.0	U	
95-47-6	o-Xylene	0.5	U	
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U	
100-42-5	Styrene	0.5	U	
75-25-2	Bromoform	0.5	U	

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23-3

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324019.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324019.D Vial: 27  
 Acq On : 24 Mar 2006 15:41 Operator: JMD  
 Sample : JPL05-012 MW-23-3 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:33 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	824891	50.00	ug/l	0.00 94.07%
50) Chlorobenzene-d5	8.55	82	296895	50.00	ug/l	0.00 99.48%
69) 1,4-Dichlorobenzene-d4	10.88	152	289315	50.00	ug/l	0.00 91.76%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	219832	48.46	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	229886	51.39	ug/l	0.00
51) Toluene-d8	7.05	98	765130	50.24	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	253575	53.14	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	1.79	43	625	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	1089	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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.		

(#) = qualifier out of range (m) = manual integration  
 Y0324019.D 8260B.M Mon Mar 27 09:33:36 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324019.D  
 Acq On : 24 Mar 2006 15:41  
 Sample : JPL05-012 MW-23-3  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:33 2006

Vial: 27  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	6.58	63	227		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	477		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	60		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	476		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	824		N.D.	
65) o-xylene	9.23	106	159		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	123		N.D.	
68) Isopropylbenzene	9.74	105	259		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	163		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	59		N.D.	
78) 4-Chlorotoluene	10.18	91	53		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	74		N.D.	
81) sec-butylbenzene	10.73	105	133		N.D.	
82) 4-Isopropyltoluene	10.89	119	422		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	236		N.D.	
85) n-Butylbenzene	11.29	91	340		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	140		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	57	Below Cal	#	73
89) Hexachlorobutadiene	13.03	225	64	Below Cal	#	19
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	87	Below Cal	#	46



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324019.D                   Vial: 27  
Acq On    : 24 Mar 2006 15:41                   Operator: JMD  
Sample    : JPL05-012 MW-23-3                  Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)              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

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Y0324019.D 8260B.M    Mon Mar 27 09:33:49 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23-2

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324020.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.4	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.3	J
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.3	J
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23-2

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324020.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324020.D  
 Acq On : 24 Mar 2006 16:06  
 Sample : JPL05-013 MW-23-2  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:34 2006

Vial: 28  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	813153	50.00	ug/l	0.00 92.73%
50) Chlorobenzene-d5	8.55	82	288636	50.00	ug/l	0.00 96.71%
69) 1,4-Dichlorobenzene-d4	10.88	152	284297	50.00	ug/l	0.00 90.17%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	214663	48.00	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	225680	51.18	ug/l	0.00
51) Toluene-d8	7.05	98	742237	50.13	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	239901	51.16	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	1.88	76	1421	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	1553	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	169	N.D.		
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	3284	0.36	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	5.66	130	1956	0.33	ug/l #	52

(#) = qualifier out of range (m) = manual integration  
 Y0324020.D 8260B.M Mon Mar 27 09:34:59 2006

*Handwritten signature/initials*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324020.D  
 Acq On : 24 Mar 2006 16:06  
 Sample : JPL05-013 MW-23-2  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:34 2006

Vial: 28  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	6.58	63	55	N.D.	
47) Bromodichloromethane	6.27	83	539	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	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	7.69	166	1683	0.26 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	8.72	91	120	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.84	106	305	N.D.	
65) o-xylene	0.00	106	0	N.D.	
66) Styrene	0.00	104	0	N.D.	
67) Bromoform	9.40	173	71	N.D.	
68) Isopropylbenzene	9.74	105	178	N.D.	
71) 1,1,2,2-Tetrachloroethane	9.73	83	55	N.D.	
72) n-Propylbenzene	0.00	120	0	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
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	62	N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
78) 4-Chlorotoluene	10.18	91	55	N.D.	
79) tert-Butylbenzene	0.00	119	0	N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	63	N.D.	
81) sec-butylbenzene	10.74	105	82	N.D.	
82) 4-Isopropyltoluene	10.89	119	140	N.D.	
83) 1,3-Dichlorobenzene	10.81	111	511	N.D.	
84) 1,4-Dichlorobenzene	10.81	146	1412	N.D.	
85) n-Butylbenzene	11.29	91	197	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	1065	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

*Handwritten signature/initials*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324020.D                   Vial: 28  
Acq On    : 24 Mar 2006 16:06                   Operator: JMD  
Sample    : JPL05-013 MW-23-2                  Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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

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Y0324020.D 8260B.M    Mon Mar 27 09:35:09 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23-1

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324021.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.3	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.7	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23-1

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324021.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324021.D Vial: 29  
 Acq On : 24 Mar 2006 16:31 Operator: JMD  
 Sample : JPL05-014 MW-23-1 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:36 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	851743	50.00	ug/l	0.00 97.13%
50) Chlorobenzene-d5	8.55	82	312525	50.00	ug/l	0.00 104.72%
69) 1,4-Dichlorobenzene-d4	10.88	152	311648	50.00	ug/l	0.00 98.84%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	225173	48.07	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	237004	51.31	ug/l	0.00
51) Toluene-d8	7.05	98	789804	49.27	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	263415	51.24	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	1.87	76	1225	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2224	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) 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	3255	0.34	ug/l	89
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	5.65	130	1528	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0324021.D 8260B.M Mon Mar 27 09:36:11 2006

*JMD*  
 3/27/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324021.D  
 Acq On : 24 Mar 2006 16:31  
 Sample : JPL05-014 MW-23-1  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:36 2006

Vial: 29  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	439		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	314		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	4976	0.72	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	241		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	493		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.40	173	55		N.D.	
68) Isopropylbenzene	9.61	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.	
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	124		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.19	91	128		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	152		N.D.	
81) sec-butylbenzene	10.74	105	152		N.D.	
82) 4-Isopropyltoluene	10.89	119	339		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D. d	
84) 1,4-Dichlorobenzene	10.90	146	69		N.D.	
85) n-Butylbenzene	11.30	91	238		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	290		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	

*Handwritten:*  
 3/27/06

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324021.D           Vial: 29  
Acq On    : 24 Mar 2006 16:31                   Operator: JMD  
Sample    : JPL05-014 MW-23-1                  Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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

\*\*\*\*\*  
Y0324021.D 8260B.M    Mon Mar 27 09:36:19 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-5-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324022.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.3	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.3	J
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-5-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324022.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324022.D  
 Acq On : 24 Mar 2006 16:55  
 Sample : JPL05-015 DUPE-5-1Q06  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:37 2006

Vial: 30  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) Fluorobenzene	5.19	96	819047	50.00	ug/l	0.00 93.41%
50) Chlorobenzene-d5	8.55	82	297592	50.00	ug/l	0.00 99.71%
69) 1,4-Dichlorobenzene-d4	10.88	152	305000	50.00	ug/l	0.00 96.73%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	224501	49.84	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	234794	52.86	ug/l	0.00
51) Toluene-d8	7.05	98	750645	49.18	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	254036	50.50	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	1.87	76	1930	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	1535	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	53	N.D.		
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	2961	0.33	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	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	5.65	130	1719	0.29	ug/l ✓ #	53

(#) = qualifier out of range (m) = manual integration  
 Y0324022.D 8260B.M Mon Mar 27 09:37:16 2006

*Handwritten signature/initials*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324022.D Vial: 30  
 Acq On : 24 Mar 2006 16:55 Operator: JMD  
 Sample : JPL05-015 DUPE-5-1Q06 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:37 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	425		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	130		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	1498		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	92		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	76		N.D.	
67) Bromoform	9.40	173	125		N.D.	
68) Isopropylbenzene	9.75	105	368		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	70		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	209		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.02	91	209		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	10.88	105	54		N.D.	
82) 4-Isopropyltoluene	10.88	119	439		N.D.	
83) 1,3-Dichlorobenzene	10.81	111	422		N.D.	
84) 1,4-Dichlorobenzene	10.81	146	1421		N.D.	
85) n-Butylbenzene	11.29	91	241		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	889		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

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324022.D           Vial: 30  
Acq On    : 24 Mar 2006 16:55                   Operator: JMD  
Sample    : JPL05-015 DUPE-5-1Q06           Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)           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

\*\*\*\*\*  
Y0324022.D 8260B.M    Mon Mar 27 09:37:30 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-11-32206

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-016Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324023.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-11-32206

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-016Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324023.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324023.D Vial: 31  
 Acq On : 24 Mar 2006 17:20 Operator: JMD  
 Sample : JPL05-016 EB-11-32206 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:43 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	809742	50.00	ug/l	0.00 92.34%
50) Chlorobenzene-d5	8.55	82	291875	50.00	ug/l	0.00 97.80%
69) 1,4-Dichlorobenzene-d4	10.88	152	296063	50.00	ug/l	0.00 93.90%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	219408	49.27	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	229951	52.37	ug/l	0.00
51) Toluene-d8	7.05	98	749929	50.09	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	255767	52.37	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	1.78	43	14160	9.65	ug/l ✓	96
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	2127	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.03	83	81	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	4.32	56	2071	0.27	ug/l # ✓	82
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	6.30	41	65	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0324023.D 8260B.M Mon Mar 27 09:43:24 2006

*Handwritten signature*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324023.D  
 Acq On : 24 Mar 2006 17:20  
 Sample : JPL05-016 EB-11-32206  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:43 2006

Vial: 31  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	92	243		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	7.90	43	118		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	91		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	135		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	111		N.D.	
68) Isopropylbenzene	9.74	105	281		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.	
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	196		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	55		N.D.	
78) 4-Chlorotoluene	10.01	91	196		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	174		N.D.	
81) sec-butylbenzene	10.74	105	68		N.D.	
82) 4-Isopropyltoluene	10.89	119	474		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.80	146	54		N.D.	
85) n-Butylbenzene	11.29	91	139		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.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324023.D Vial: 31  
Acq On : 24 Mar 2006 17:20 Operator: JMD  
Sample : JPL05-016 EB-11-32206 Inst : yoda  
Misc : 5mL+IS/SS #3 (524.2) 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

\*\*\*\*\*  
Y0324023.D 8260B.M Mon Mar 27 09:43:52 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-11-32206

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-017Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324024.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-11-32206

Lab Name: Laucks Testing LabsSDG No.: JPL05Matrix: (soil/water) WATERLab Sample ID: JPL05-017Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0324024.DLevel: (low/med) LOWDate Received: 03/23/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/24/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324024.D  
 Acq On : 24 Mar 2006 17:45  
 Sample : JPL05-017 TB-11-32206  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:44 2006

Vial: 32  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	815915	50.00	ug/l	0.00 93.05%
50) Chlorobenzene-d5	8.55	82	294517	50.00	ug/l	0.00 98.68%
69) 1,4-Dichlorobenzene-d4	10.88	152	307072	50.00	ug/l	0.00 97.39%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	223490	49.81	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	231767	52.38	ug/l	0.00
51) Toluene-d8	7.05	98	755846	50.03	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	256690	50.68	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	0.00	76	0	N.D.	d	
15) Acetonitrile	1.98	40	66	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.		
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.		

(#) = qualifier out of range (m) = manual integration  
 Y0324024.D 8260B.M Mon Mar 27 09:44:56 2006



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032406\Y0324024.D  
 Acq On : 24 Mar 2006 17:45  
 Sample : JPL05-017 TB-11-32206  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 9:44 2006

Vial: 32  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.05	92	60		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	8.85	91	172		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	140		N.D.	
68) Isopropylbenzene	9.73	105	148		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	90		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	56		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.18	91	65		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	63		N.D.	
81) sec-butylbenzene	10.74	105	63		N.D.	
82) 4-Isopropyltoluene	10.89	119	244		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	73		N.D.	
85) n-Butylbenzene	11.29	91	240		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	113	Below Cal	#	52
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\032406\Y0324024.D           Vial: 32  
Acq On    : 24 Mar 2006 17:45                   Operator: JMD  
Sample    : JPL05-017 TB-11-32206           Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)           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

\*\*\*\*\*  
Y0324024.D 8260B.M    Mon Mar 27 09:45:07 2006

**Metals Data**

**JPL05**

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL05

SOW No.: \_\_\_\_\_

Sample No.	Lab Sample ID
<u>DUPE-5-1Q06</u>	<u>JPL05-015</u>
<u>EB-10-3/21/06</u>	<u>JPL05-006</u>
<u>EB-11-3/22/06</u>	<u>JPL05-016</u>
<u>MW-14-1</u>	<u>JPL05-005</u>
<u>MW-14-2</u>	<u>JPL05-004</u>
<u>MW-14-2MS</u>	<u>JPL05-004MS</u>
<u>MW-14-2MSD</u>	<u>JPL05-004MSD</u>
<u>MW-14-3</u>	<u>JPL05-003</u>
<u>MW-17-2</u>	<u>JPL05-009</u>
<u>MW-17-3</u>	<u>JPL05-008</u>
<u>MW-17-3MS</u>	<u>JPL05-008MS</u>
<u>MW-17-3MSD</u>	<u>JPL05-008MSD</u>
<u>MW-17-4</u>	<u>JPL05-007</u>
<u>MW-23-1</u>	<u>JPL05-014</u>
<u>MW-23-2</u>	<u>JPL05-013</u>
<u>MW-23-2MS</u>	<u>JPL05-013MS</u>
<u>MW-23-2MSD</u>	<u>JPL05-013MSD</u>
<u>MW-23-3</u>	<u>JPL05-012</u>
<u>MW-23-4</u>	<u>JPL05-011</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: 

Name: Cheronne Oreiro

Date: 04/13/06

Title: Metals Lead

## **Metals Analysis Data Sheets**

## INORGANIC ANALYSES DATA SHEET

MW-14-3

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05Run Sequence ID: R005917Matrix (soil/water): WaterLab Sample ID: JPL05-003Level (low/med): LOWDate Received: 03/22/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-14-2
---------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-004

Level (low/med): LOW

Date Received: 03/22/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.03			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-14-1

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-005

Level (low/med): LOW

Date Received: 03/22/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.60			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



INORGANIC ANALYSES DATA SHEET

EB-10-3/21/06
---------------

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS    SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-006

Level (low/med): LOW

Date Received: 03/22/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-17-4

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-007

Level (low/med): LOW

Date Received: 03/22/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-17-3

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-008

Level (low/med): LOW

Date Received: 03/22/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.15			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-17-2

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-009

Level (low/med): LOW

Date Received: 03/22/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-23-4

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS    SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-011

Level (low/med): LOW

Date Received: 03/23/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.86			

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-23-3

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-012

Level (low/med): LOW

Date Received: 03/23/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	2.91			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-23-2
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Lab Name: Laucks Laboratories Contract: \_\_\_\_\_  
 Lab Code: LAUCKS SDG No.: JPL05 Run Sequence ID: R005917  
 Matrix (soil/water): Water Lab Sample ID: JPL05-013  
 Level (low/med): LOW Date Received: 03/23/2006  
 % Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.63			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_  
 Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-23-1

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-014

Level (low/med): LOW

Date Received: 03/23/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.07			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



INORGANIC ANALYSES DATA SHEET

DUPE-5-1Q06

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-015

Level (low/med): LOW

Date Received: 03/23/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.67			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

EB-11-3/22/06

Lab Name: Laucks Laboratories

Contract: \_\_\_\_\_

Lab Code: LAUCKS SDG No.: JPL05

Run Sequence ID: R005917

Matrix (soil/water): Water

Lab Sample ID: JPL05-016

Level (low/med): LOW

Date Received: 03/23/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Miscellaneous Inorganic Data

JPL05

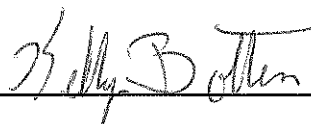
**Laucks Testing Laboratories**  
**Cover Page - Analysis Data Package**

Lab Code: LAUCKS

SDG Number: JPL05

Client Sample Identification	Lab Sample Identification
MW-14-5	JPL05-001DL 2X
MW-14-4	JPL05-002DL 4X
MW-14-3	JPL05-003DL 4X
MW-14-2	JPL05-004DL 4X
MW-14-2MS	JPL05-004MS 4X
MW-14-2MSD	JPL05-004MSD 4X
MW-14-1	JPL05-005DL 4X
EB-10-3/21/06	JPL05-006
MW-17-4	JPL05-007DL 2X
MW-17-3	JPL05-008DL 4X
MW-17-3MS	JPL05-008MS 4X
MW-17-3MSD	JPL05-008MSD 4X
MW-17-2	JPL05-009DL 4X
MW-23-3	JPL05-012DL 2X
MW-23-2	JPL05-013DL 4X
MW-23-2MS	JPL05-013MS 4X
MW-23-2MSD	JPL05-013MSD 4X
MW-23-1	JPL05-014DL 4X
DUPE-5-1Q06	JPL05-015DL 4X
EB-11-3/22/06	JPL05-016

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: Kelly Botten

Date: April 06, 2006

Title: Department Manager

## **Inorganic Analysis Data Sheets**

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-14-5 Date/Time Collected: 03/21/2006 08:03  
Lab Sample ID: JPL05-001 Date/Time Received: 03/22/2006 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	0.40	04/03/2006	04/04/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-14-4 Date/Time Collected: 03/21/2006 08:23  
Lab Sample ID: JPL05-002 Date/Time Received: 03/22/2006 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	0.80	04/03/2006	04/04/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-14-3 Date/Time Collected: 03/21/2006 08:47  
Lab Sample ID: JPL05-003 Date/Time Received: 03/22/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.8		4.0	0.80	04/03/2006	04/04/2006	R005923



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-14-2 Date/Time Collected: 03/21/2006 09:15  
Lab Sample ID: JPL05-004 Date/Time Received: 03/22/2006 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	0.80	04/03/2006	04/04/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-14-1 Date/Time Collected: 03/21/2006 10:12  
Lab Sample ID: JPL05-005 Date/Time Received: 03/22/2006 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	0.80	04/03/2006	04/04/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: EB-10-3/21/06 Date/Time Collected: 03/21/2006 10:01  
Lab Sample ID: JPL05-006 Date/Time Received: 03/22/2006 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	0.20	04/03/2006	04/04/2006	R005923



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-17-3 Date/Time Collected: 03/21/2006 12:11  
Lab Sample ID: JPL05-008 Date/Time Received: 03/22/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	61		4.0	0.80	04/03/2006	04/04/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-17-2 Date/Time Collected: 03/21/2006 12:59  
Lab Sample ID: JPL05-009 Date/Time Received: 03/22/2006 08:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	14		4.0	0.80	04/03/2006	04/04/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-23-3 Date/Time Collected: 03/22/2006 08:07  
Lab Sample ID: JPL05-012 Date/Time Received: 03/23/2006 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	0.40	04/03/2006	04/04/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-23-2 Date/Time Collected: 03/22/2006 08:34  
Lab Sample ID: JPL05-013 Date/Time Received: 03/23/2006 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	0.80	04/03/2006	04/04/2006	R005923



Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: MW-23-1 Date/Time Collected: 03/22/2006 09:44  
Lab Sample ID: JPL05-014 Date/Time Received: 03/23/2006 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	0.80	04/03/2006	04/04/2006	R005923

**Laucks Testing Laboratories, Inc.**

**Final Results**

**Client:** Battelle : **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL05  
**Sample Number:** DUPE-5-1Q06 **Date/Time Collected:** 03/22/2006 00:00  
**Lab Sample ID:** JPL05-015 **Date/Time Received:** 03/23/2006 08:45  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	4.3		4.0	0.80	04/03/2006	04/04/2006	R005923

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL05  
Sample Number: EB-11-3/22/06 Date/Time Collected: 03/22/2006 09:32  
Lab Sample ID: JPL05-016 Date/Time Received: 03/23/2006 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	0.20	04/03/2006	04/04/2006	R005923

**SAMPLE DATA**

SDG # JPL06

Volatiles Analysis

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-5

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327012.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.3	J
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		0.4	J
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-5

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327012.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327012.D Vial: 17  
 Acq On : 27 Mar 2006 14:03 Operator: JMD  
 Sample : JPL06-001 Mw-12-5 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 14:20 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	813219	50.00	ug/l	0.00 92.74%
50) Chlorobenzene-d5	8.55	82	291968	50.00	ug/l	0.00 97.83%
69) 1,4-Dichlorobenzene-d4	10.88	152	288150	50.00	ug/l	0.00 91.39%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	217101	48.54	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	224816	50.98	ug/l	0.00
51) Toluene-d8	7.05	98	746204	49.83	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	246867	51.94	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	1.88	76	2626	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.34	53	933	0.57 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.		
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	1519	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	4.50	117	1977	0.33 ug/l	✓	88
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	0.00	75	0	N.D.		
39) Benzene	4.77	78	123	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	424	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0327012.D 8260B.M Mon Mar 27 14:20:21 2006

*JM 3/27/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327012.D  
 Acq On : 27 Mar 2006 14:03  
 Sample : JPL06-001 MW-12-5  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 14:20 2006

Vial: 17  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	6.58	63	60		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	1304		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	366		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	8.57	112	121		N.D.	
62) Ethylbenzene	8.72	91	2415		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	3738	0.41	ug/l	93
65) o-xylene	9.23	106	513		N.D.	
66) Styrene	9.24	104	1067		N.D.	
67) Bromoform	9.40	173	221		N.D.	
68) Isopropylbenzene	9.62	105	505		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	77		N.D.	
72) n-Propylbenzene	10.01	120	181		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	506		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	544		N.D.	
78) 4-Chlorotoluene	10.18	91	515		N.D.	
79) tert-Butylbenzene	10.51	119	386		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	541		N.D.	
81) sec-butylbenzene	10.74	105	848		N.D.	
82) 4-Isopropyltoluene	10.89	119	1072		N.D.	
83) 1,3-Dichlorobenzene	10.80	111	149		N.D.	
84) 1,4-Dichlorobenzene	10.80	146	440		N.D.	
85) n-Butylbenzene	11.29	91	957		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	396		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

*07/27/06*



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327012.D                   Vial: 17  
Acq On    : 27 Mar 2006 14:03                   Operator: JMD  
Sample    : JPL06-001 MW-12-5                   Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)               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

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Y0327012.D 8260B.M    Mon Mar 27 14:25:49 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-4

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327013.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		1.0	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		2.4	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.6	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-4

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327013.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327013.D Vial: 18  
 Acq On : 27 Mar 2006 14:27 Operator: JMD  
 Sample : JPL06-002 MW-12-4 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:16 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	823924	50.00	ug/l	0.00 93.96%
50) Chlorobenzene-d5	8.55	82	295255	50.00	ug/l	0.00 98.93%
69) 1,4-Dichlorobenzene-d4	10.88	152	295750	50.00	ug/l	0.00 93.80%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	222058	49.01	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	229468	51.36	ug/l	0.00
51) Toluene-d8	7.06	98	758689	50.10	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	251935	51.64	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	1.88	76	4363	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	2.35	53	611	0.37	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.		
27) 2-Butanone	3.67	43	60	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	8749	0.96	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	4.50	117	14491	2.37	ug/l	99
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.51	75	61	N.D.		
39) Benzene	4.77	78	138	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	3762	0.63	ug/l	99

(#) = qualifier out of range (m) = manual integration  
 Y0327013.D 8260B.M Mon Mar 27 16:17:06 2006

*JM 3/27/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327013.D  
 Acq On : 27 Mar 2006 14:27  
 Sample : JPL06-002 MW-12-4  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:16 2006

Vial: 18  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	412		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	197		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	8.57	112	288		N.D.	
62) Ethylbenzene	8.72	91	765		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	868		N.D.	
65) o-xylene	9.23	106	309		N.D.	
66) Styrene	9.24	104	776		N.D.	
67) Bromoform	9.40	173	170		N.D.	
68) Isopropylbenzene	9.61	105	462		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.01	120	61		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	297		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	238		N.D.	
78) 4-Chlorotoluene	10.18	91	524		N.D.	
79) tert-Butylbenzene	10.51	119	277		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	511		N.D.	
81) sec-butylbenzene	10.74	105	725		N.D.	
82) 4-Isopropyltoluene	10.89	119	831		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	459		N.D.	
85) n-Butylbenzene	11.30	91	1037		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	221		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

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327013.D            vial: 18  
Acq On    : 27 Mar 2006 14:27                            Operator: JMD  
Sample    : JPL06-002 MW-12-4                           Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)                        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

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Y0327013.D 8260B.M    Mon Mar 27 16:22:53 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-3

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327014.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.9	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.3	J
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.2	J
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-3

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327014.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327014.D Vial: 19  
 Acq On : 27 Mar 2006 14:52 Operator: JMD  
 Sample : JPL06-003 MW-12-3 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:18 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	797677	50.00	ug/l	0.00 90.97%
50) Chlorobenzene-d5	8.55	82	288044	50.00	ug/l	0.00 96.51%
69) 1,4-Dichlorobenzene-d4	10.88	152	291988	50.00	ug/l	0.00 92.61%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	215870	49.21	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	221192	51.13	ug/l	0.00
51) Toluene-d8	7.05	98	727774	49.26	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	246642	51.21	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	1.87	76	2235	N.D.		
15) Acetonitrile	2.01	40	52	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	450	0.28 ug/l	#	68
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.		
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	8410	0.95 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	4.48	117	1854	0.31 ug/l	✓	96
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.52	75	68	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	1474	0.25 ug/l	#	52

(#) = qualifier out of range (m) = manual integration  
 Y0327014.D 8260B.M Mon Mar 27 16:18:29 2006

*Jm 3/27/06*

## Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327014.D  
 Acq On : 27 Mar 2006 14:52  
 Sample : JPL06-003 MW-12-3  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:18 2006

Vial: 19  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.14	92	374		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	449		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	8.57	112	179		N.D.	
62) Ethylbenzene	8.71	91	703		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	711		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	545		N.D.	
67) Bromoform	9.39	173	73		N.D.	
68) Isopropylbenzene	9.61	105	271		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	98		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.18	91	388		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	366		N.D.	
78) 4-Chlorotoluene	10.18	91	388		N.D.	
79) tert-Butylbenzene	10.51	119	224		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	343		N.D.	
81) sec-butylbenzene	10.73	105	586		N.D.	
82) 4-Isopropyltoluene	10.89	119	778		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	431		N.D.	
85) n-Butylbenzene	11.29	91	805		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	243		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  
 Y0327014.D 8260B.M Mon Mar 27 16:18:30 2006

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327014.D Vial: 19  
Acq On : 27 Mar 2006 14:52 Operator: JMD  
Sample : JPL06-003 MW-12-3 Inst : yoda  
Misc : 5mL+IS/SS #3 (524.2) 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

\*\*\*\*\*  
Y0327014.D 8260B.M Mon Mar 27 16:18:43 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-2

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327015.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-2

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327015.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L \_\_\_\_\_ Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327015.D Vial: 20  
 Acq On : 27 Mar 2006 15:17 Operator: JMD  
 Sample : JPL06-004 MW-12-2 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:19 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	843111	50.00	ug/l	0.00 96.15%
50) Chlorobenzene-d5	8.55	82	306839	50.00	ug/l	0.00 102.81%
69) 1,4-Dichlorobenzene-d4	10.88	152	293633	50.00	ug/l	0.00 93.13%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	222285	47.94	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	231933	50.73	ug/l	0.00
51) Toluene-d8	7.05	98	784584	49.85	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	257818	53.23	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	1.88	76	3280	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	57	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.		
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	912	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	4.50	117	1387	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.51	75	53	N.D.		
39) Benzene	4.79	78	58	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	307	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0327015.D 8260B.M Mon Mar 27 16:19:45 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327015.D  
 Acq On : 27 Mar 2006 15:17  
 Sample : JPL06-004 MW-12-2  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:19 2006

Vial: 20  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	6.58	63	153		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	71		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	397		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	8.57	112	84		N.D.	
62) Ethylbenzene	8.71	91	627		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	649		N.D.	
65) o-xylene	9.23	106	124		N.D.	
66) Styrene	9.25	104	502		N.D.	
67) Bromoform	9.39	173	187		N.D.	
68) Isopropylbenzene	9.60	105	412		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	63		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.86	156	53		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.07	91	148		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	285		N.D.	
78) 4-Chlorotoluene	10.18	91	362		N.D.	
79) tert-Butylbenzene	10.53	119	332		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	356		N.D.	
81) sec-butylbenzene	10.74	105	667		N.D.	
82) 4-Isopropyltoluene	10.89	119	796		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	529		N.D.	
85) n-Butylbenzene	11.29	91	802		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	140		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

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327015.D           Vial: 20  
Acq On    : 27 Mar 2006 15:17                   Operator: JMD  
Sample    : JPL06-004 MW-12-2                  Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)              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

\*\*\*\*\*  
Y0327015.D 8260B.M    Mon Mar 27 16:19:57 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-1

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327016.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-12-1

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327016.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-12-1

Lab Name: Laucks Testing Labs Contract: \_\_\_\_\_  
Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: JPL06  
Matrix: (soil/water) WATER Lab Sample ID: JPL06-005  
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Y0327016.D  
Level: (low/med) LOW Date Received: 03/24/06  
% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 03/27/06  
GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0  
Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	3.69	5.1	J

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327016.D  
 Acq On : 27 Mar 2006 15:42  
 Sample : JPL06-005 MW-12-1  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:20 2006

Vial: 21  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	821006	50.00	ug/l	0.00 93.63%
50) Chlorobenzene-d5	8.55	82	296185	50.00	ug/l	0.00 99.24%
69) 1,4-Dichlorobenzene-d4	10.88	152	288397	50.00	ug/l	0.00 91.47%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	222233	49.22	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	229919	51.64	ug/l	0.00
51) Toluene-d8	7.05	98	758616	49.93	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	249607	52.47	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	1.78	43	2708	0.39	ug/l #	76
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.	d	
15) Acetonitrile	0.00	40	0	N.D.	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	2.34	53	553	0.33	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.		
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	4.53	75	212	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0327016.D 8260B.M Mon Mar 27 16:21:00 2006

*Jm 3/27/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327016.D  
 Acq On : 27 Mar 2006 15:42  
 Sample : JPL06-005 MW-12-1  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:20 2006

Vial: 21  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.14	92	379		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	125		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	8.57	112	210		N.D.	
62) Ethylbenzene	8.72	91	459		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	838		N.D.	
65) o-xylene	9.23	106	122		N.D.	
66) Styrene	9.24	104	434		N.D.	
67) Bromoform	9.39	173	197		N.D.	
68) Isopropylbenzene	9.61	105	263		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.20	120	117		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	159		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	256		N.D.	
78) 4-Chlorotoluene	10.18	91	349		N.D.	
79) tert-Butylbenzene	10.53	119	217		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	335		N.D.	
81) sec-butylbenzene	10.74	105	383		N.D.	
82) 4-Isopropyltoluene	10.89	119	557		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	314		N.D.	
85) n-Butylbenzene	11.30	91	647		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	62		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

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-6-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327017.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-6-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327017.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327017.D  
 Acq On : 27 Mar 2006 16:06  
 Sample : JPL06-006 DUPE-6-1Q06  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:22 2006

Vial: 22  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	819477	50.00	ug/l	0.00 93.45%
50) Chlorobenzene-d5	8.55	82	300885	50.00	ug/l	0.00 100.82%
69) 1,4-Dichlorobenzene-d4	10.88	152	286040	50.00	ug/l	0.00 90.72%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	217200	48.19	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	227283	51.14	ug/l	0.00
51) Toluene-d8	7.05	98	766600	49.67	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	251761	53.36	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	1.79	43	802	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	2494	N.D.		
15) Acetonitrile	1.96	40	38	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.		
27) 2-Butanone	3.67	43	64	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0327017.D 8260B.M Mon Mar 27 16:22:28 2006



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327017.D  
 Acq On : 27 Mar 2006 16:06  
 Sample : JPL06-006 DUPE-6-1Q06  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:22 2006

Vial: 22  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	92	170		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	55		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	528		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	535		N.D.	
65) o-xylene	9.23	106	59		N.D.	
66) Styrene	9.24	104	233		N.D.	
67) Bromoform	9.39	173	146		N.D.	
68) Isopropylbenzene	9.60	105	66		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	64		N.D.	
72) n-Propylbenzene	10.20	120	56		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	127		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	73		N.D.	
78) 4-Chlorotoluene	10.18	91	276		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	193		N.D.	
81) sec-butylbenzene	10.74	105	415		N.D.	
82) 4-Isopropyltoluene	10.89	119	697		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	255		N.D.	
85) n-Butylbenzene	11.29	91	603		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	12.84	180	295	Below Cal	#	76
89) Hexachlorobutadiene	13.03	225	193	Below Cal	#	19
90) Naphthalene	13.06	128	178		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327017.D                   Vial: 22  
Acq On    : 27 Mar 2006 16:06                   Operator: JMD  
Sample    : JPL06-006 DUPE-6-1Q06               Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)               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

\*\*\*\*\*  
Y0327017.D 8260B.M    Mon Mar 27 16:22:36 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-12-32306

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327018.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-12-32306

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327018.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327018.D Vial: 23  
 Acq On : 27 Mar 2006 16:31 Operator: JMD  
 Sample : JPL06-007 EB-12-32306 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:50 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	812673	50.00	ug/l	0.00 92.68%
50) Chlorobenzene-d5	8.55	82	296784	50.00	ug/l	0.00 99.44%
69) 1,4-Dichlorobenzene-d4	10.88	152	287787	50.00	ug/l	0.00 91.28%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	218947	48.99	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	226039	51.29	ug/l	0.00
51) Toluene-d8	7.05	98	755919	49.66	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	251558	52.99	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	1.79	43	5859	2.97	ug/l	89
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	2450	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.03	83	679	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	4.33	56	184	N.D.		
35) Carbon Tetrachloride	0.00	117	0	N.D.		
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.52	75	123	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0327018.D 8260B.M Mon Mar 27 16:51:09 2006

*Handwritten signature*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327018.D  
 Acq On : 27 Mar 2006 16:31  
 Sample : JPL06-007 EB-12-32306  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 16:50 2006

Vial: 23  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	278		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	7.89	43	56		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	55		N.D.	
62) Ethylbenzene	8.83	91	818		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	178		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	203		N.D.	
71) 1,1,1,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.21	120	128		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	158		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	215		N.D.	
78) 4-Chlorotoluene	10.19	91	214		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	459		N.D.	
81) sec-butylbenzene	10.73	105	391		N.D.	
82) 4-Isopropyltoluene	10.88	119	622		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	365		N.D.	
85) n-Butylbenzene	11.29	91	677		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.	d
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	d

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327018.D           Vial: 23  
Acq On    : 27 Mar 2006 16:31                   Operator: JMD  
Sample    : JPL06-007 EB-12-32306             Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)             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

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Y0327018.D 8260B.M    Mon Mar 27 16:51:18 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-12-32306

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327019.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-12-32306

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327019.DLevel: (low/med) LOWDate Received: 03/24/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327019.D  
 Acq On : 27 Mar 2006 16:56  
 Sample : JPL06-008 TB-12-32306  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 17:20 2006

Vial: 24  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	838667	50.00	ug/l	0.00 95.64%
50) Chlorobenzene-d5	8.55	82	302062	50.00	ug/l	0.00 101.21%
69) 1,4-Dichlorobenzene-d4	10.88	152	287664	50.00	ug/l	0.00 91.24%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	226614	49.13	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	235082	51.69	ug/l	0.00
51) Toluene-d8	7.05	98	779932	50.34	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	257263	54.22	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	1.88	76	4008	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
27) 2-Butanone	3.66	43	55	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0327019.D 8260B.M Mon Mar 27 17:20:34 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327019.D  
 Acq On : 27 Mar 2006 16:56  
 Sample : JPL06-008 TB-12-32306  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 27 17:20 2006

Vial: 24  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	642		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	445		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.85	106	57		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.39	173	128		N.D.	
68) Isopropylbenzene	9.61	105	185		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	61		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	130		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.19	91	219		N.D.	
79) tert-Butylbenzene	10.51	119	128		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	204		N.D.	
81) sec-butylbenzene	10.73	105	406		N.D.	
82) 4-Isopropyltoluene	10.88	119	577		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	324		N.D.	
85) n-Butylbenzene	11.29	91	432		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	54		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	104	Below Cal	#	35
89) Hexachlorobutadiene	13.03	225	57	Below Cal	#	19
90) Naphthalene	13.05	128	195		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	62	Below Cal	#	60

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327019.D           Vial: 24  
Acq On    : 27 Mar 2006  16:56                   Operator: JMD  
Sample    : JPL06-008 TB-12-32306               Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)               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

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Y0327019.D  8260B.M    Mon Mar 27 17:20:41 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11-4

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327020.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11-4

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327020.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327020.D  
 Acq On : 27 Mar 2006 17:20  
 Sample : JPL06-009 MW-11-4  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:02 2006

Vial: 25  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	808354	50.00	ug/l	0.00 92.19%
50) Chlorobenzene-d5	8.55	82	290530	50.00	ug/l	0.00 97.35%
69) 1,4-Dichlorobenzene-d4	10.88	152	281445	50.00	ug/l	0.00 89.26%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	219361	49.34	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	225486	51.44	ug/l	0.00
51) Toluene-d8	7.05	98	744055	49.93	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	247214	53.25	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.	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.	d	
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	57	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0327020.D 8260B.M Tue Mar 28 09:02:52 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327020.D Vial: 25  
 Acq On : 27 Mar 2006 17:20 Operator: JMD  
 Sample : JPL06-009 MW-11-4 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:02 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	907		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	1487		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	528		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	3429		N.D.	
67) Bromoform	9.39	173	57		N.D.	
68) Isopropylbenzene	9.61	105	315		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.74	110	61		N.D.	
76) 2-Chlorotoluene	10.07	91	73		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	203		N.D.	
78) 4-Chlorotoluene	10.18	91	135		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	377		N.D.	
81) sec-butylbenzene	10.73	105	326		N.D.	
82) 4-Isopropyltoluene	10.89	119	376		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	259		N.D.	
85) n-Butylbenzene	11.29	91	481		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	78		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



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327020.D            Vial: 25  
Acq On    : 27 Mar 2006 17:20                    Operator: JMD  
Sample    : JPL06-009 MW-11-4                   Inst : yoda  
Misc      : 5mL+IS/SS #3 (524.2)                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

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Y0327020.D 8260B.M    Tue Mar 28 09:06:55 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11-3

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327021.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11-3

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327021.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327021.D      Via1: 26  
 Acq On : 27 Mar 2006 17:45      Operator: JMD  
 Sample : JPL06-010 MW-11-3      Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2)      Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:08 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	780761	50.00	ug/l	0.00 89.04%
50) Chlorobenzene-d5	8.55	82	277777	50.00	ug/l	0.00 93.07%
69) 1,4-Dichlorobenzene-d4	10.88	152	274626	50.00	ug/l	0.00 87.10%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	216595	50.44	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	221948	52.42	ug/l	0.00
51) Toluene-d8	7.05	98	704162	49.42	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	235977	52.09	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	1.23	64	133	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.	d	
15) Acetonitrile	0.00	40	0	N.D.	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.		
27) 2-Butanone	3.66	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	4.03	83	415	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	54	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	184	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0327021.D 8260B.M Tue Mar 28 09:08:29 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327021.D  
 Acq On : 27 Mar 2006 17:45  
 Sample : JPL06-010 MW-11-3  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:08 2006

Vial: 26  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	370		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	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	8.72	91	403		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	415		N.D.	
65) o-xylene	9.22	106	127		N.D.	
66) Styrene	9.24	104	466		N.D.	
67) Bromoform	9.39	173	60		N.D.	
68) Isopropylbenzene	9.61	105	128		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.	
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	62		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	252		N.D.	
78) 4-Chlorotoluene	10.19	91	208		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	232		N.D.	
81) sec-butylbenzene	10.73	105	276		N.D.	
82) 4-Isopropyltoluene	10.89	119	578		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.91	146	194		N.D.	
85) n-Butylbenzene	11.30	91	414		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	229	Below Cal	#	58
89) Hexachlorobutadiene	13.03	225	60	Below Cal	#	19
90) Naphthalene	13.06	128	56		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	58	Below Cal	#	78

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327021.D           Vial: 26  
Acq On    : 27 Mar 2006 17:45                   Operator: JMD  
Sample    : JPL06-010 MW-11-3                  Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)              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

\*\*\*\*\*  
Y0327021.D 8260B.M    Tue Mar 28 09:08:42 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11-2

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-011Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327022.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11-2

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-011Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327022.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327022.D  
 Acq On : 27 Mar 2006 18:10  
 Sample : JPL06-011 MW-11-2  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:09 2006

Vial: 27  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.18	96	817529	50.00	ug/l	0.00 93.23%
50) Chlorobenzene-d5	8.55	82	297778	50.00	ug/l	0.00 99.78%
69) 1,4-Dichlorobenzene-d4	10.88	152	284556	50.00	ug/l	0.00 90.25%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	218643	48.63	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	227048	51.21	ug/l	0.00
51) Toluene-d8	7.05	98	761604	49.86	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	255705	54.48	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	1.78	43	2562	0.29	ug/l #	73
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	4307	N.D.		
15) Acetonitrile	0.00	40	0	N.D.		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	2.05	43	538	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.		
27) 2-Butanone	3.62	43	61	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	818	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	54	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	5.65	130	390	N.D.		

*Handwritten notes:*  
 # 73  
 d 3/28/06

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327022.D Vial: 27  
 Acq On : 27 Mar 2006 18:10 Operator: JMD  
 Sample : JPL06-011 MW-11-2 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:09 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	562		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	134		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	8.57	112	62		N.D.	
62) Ethylbenzene	8.71	91	657		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-xylene	8.84	106	818		N.D.	
65) o-xylene	9.22	106	180		N.D.	
66) Styrene	9.24	104	762		N.D.	
67) Bromoform	9.40	173	133		N.D.	
68) Isopropylbenzene	9.61	105	203		N.D.	
71) 1,1,2,2-Tetrachloroethane	9.74	83	60		N.D.	
72) n-Propylbenzene	0.00	120	0		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	439		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	193		N.D.	
78) 4-Chlorotoluene	10.18	91	68		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	242		N.D.	
81) sec-butylbenzene	10.74	105	268		N.D.	
82) 4-Isopropyltoluene	10.88	119	490		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	196		N.D.	
85) n-Butylbenzene	11.30	91	362		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	64		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.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327022.D Vial: 27  
Acq On : 27 Mar 2006 18:10 Operator: JMD  
Sample : JPL06-011 MW-11-2 Inst : yoda  
Misc : 5mL+IS/SS #1 (524.2) 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

\*\*\*\*\*  
Y0327022.D 8260B.M Tue Mar 28 09:13:43 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11-1

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327023.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11-1

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-012Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327023.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327023.D Vial: 28  
 Acq On : 27 Mar 2006 18:34 Operator: JMD  
 Sample : JPL06-012 MW-11-1 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:14 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	812623	50.00	ug/l	0.00 92.67%
50) Chlorobenzene-d5	8.55	82	289938	50.00	ug/l	0.00 97.15%
69) 1,4-Dichlorobenzene-d4	10.88	152	287797	50.00	ug/l	0.00 91.28%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	221218	49.50	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	231013	52.42	ug/l	0.00
51) Toluene-d8	7.05	98	754311	50.72	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	248180	52.28	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	1.78	43	824	Below Cal	#	53
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.89	76	1804	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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.		

(#) = qualifier out of range (m) = manual integration  
 Y0327023.D 8260B.M Tue Mar 28 09:14:33 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327023.D  
 Acq On : 27 Mar 2006 18:34  
 Sample : JPL06-012 MW-11-1  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:14 2006

Vial: 28  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	92	371		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	685		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	640		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	500		N.D.	
67) Bromoform	9.39	173	55		N.D.	
68) Isopropylbenzene	9.73	105	192		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.	
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	55		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	122		N.D.	
78) 4-Chlorotoluene	10.18	91	114		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	67		N.D.	
81) sec-butylbenzene	10.73	105	286		N.D.	
82) 4-Isopropyltoluene	10.90	119	376		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	11.29	91	364		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	132	Below Cal	#	68
89) Hexachlorobutadiene	0.00	225	0		N.D.	
90) Naphthalene	13.06	128	53		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	58	Below Cal	#	18

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327023.D           Vial: 28  
Acq On    : 27 Mar 2006  18:34                   Operator: JMD  
Sample    : JPL06-012 MW-11-1                  Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)              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

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Y0327023.D  8260B.M    Tue Mar 28 09:14:52 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-7-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327024.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-7-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-013Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327024.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327024.D Vial: 29  
 Acq On : 27 Mar 2006 18:59 Operator: JMD  
 Sample : JPL06-013 DUPE-7-1Q06 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:15 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	806308	50.00	ug/l	0.00 91.95%
50) Chlorobenzene-d5	8.55	82	297675	50.00	ug/l	0.00 99.74%
69) 1,4-Dichlorobenzene-d4	10.88	152	286643	50.00	ug/l	0.00 90.91%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	216062	48.72	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	226417	51.78	ug/l	0.00
51) Toluene-d8	7.05	98	755984	49.51	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	248427	52.54	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	1.79	43	707	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	2682	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	756	N.D.		
33) 1,1,1-Trichloroethane	0.00	97	0	N.D.		
34) Cyclohexane	0.00	56	0	N.D.		
35) Carbon Tetrachloride	4.49	117	55	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	53	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	341	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0327024.D 8260B.M Tue Mar 28 09:15:28 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327024.D Vial: 29  
 Acq On : 27 Mar 2006 18:59 Operator: JMD  
 Sample : JPL06-013 DUPE-7-1Q06 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:15 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	527		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	55		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	663		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	768		N.D.	
65) o-xylene	9.22	106	125		N.D.	
66) Styrene	9.24	104	730		N.D.	
67) Bromoform	9.40	173	153		N.D.	
68) Isopropylbenzene	9.61	105	139		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	55		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	278		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.18	91	131		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	75		N.D.	
81) sec-butylbenzene	10.73	105	195		N.D.	
82) 4-Isopropyltoluene	10.90	119	405		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	227		N.D.	
85) n-Butylbenzene	11.30	91	475		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	110	Below Cal	#	21
89) Hexachlorobutadiene	13.04	225	57	Below Cal	#	19
90) Naphthalene	13.06	128	116		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	55	Below Cal	#	18

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327024.D           Vial: 29  
Acq On    : 27 Mar 2006  18:59                   Operator: JMD  
Sample    : JPL06-013 DUPE-7-1Q06             Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)             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

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Y0327024.D  8260B.M    Tue Mar 28 09:15:36 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-13-32406

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327025.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EB-13-32406

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-014Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327025.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327025.D  
 Acq On : 27 Mar 2006 19:24  
 Sample : JPL06-014 EB-13-32406  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:16 2006

Vial: 30  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	814206	50.00	ug/l	0.00 92.85%
50) Chlorobenzene-d5	8.55	82	298752	50.00	ug/l	0.00 100.10%
69) 1,4-Dichlorobenzene-d4	10.88	152	288371	50.00	ug/l	0.00 91.46%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	220450	49.23	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	228792	51.82	ug/l	0.00
51) Toluene-d8	7.05	98	761001	49.66	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	251420	52.86	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.93	50	217	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	8618	5.17	ug/l	93
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	1789	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.		
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	1833	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.		

*Handwritten:* 9/13/28/06



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327025.D      Vial: 30  
 Acq On : 27 Mar 2006 19:24      Operator: JMD  
 Sample : JPL06-014 EB-13-32406      Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2)      Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:16 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.05	92	60		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	149		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	114		N.D.	
68) Isopropylbenzene	9.61	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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	218		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	58		N.D.	
78) 4-Chlorotoluene	10.19	91	57		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	98		N.D.	
81) sec-butylbenzene	10.73	105	136		N.D.	
82) 4-Isopropyltoluene	10.89	119	243		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	461		N.D.	
85) n-Butylbenzene	11.29	91	386		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.	d

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327025.D            vial: 30  
Acq On    : 27 Mar 2006 19:24                            Operator: JMD  
Sample    : JPL06-014 EB-13-32406                      Inst    : yoda  
Misc      : 5mL+IS/SS #3 (524.2)                        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

\*\*\*\*\*  
Y0327025.D 8260B.M    Tue Mar 28 09:16:39 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-13-32406

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327026.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-13-32406

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-015Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0327026.DLevel: (low/med) LOWDate Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/27/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

1E  
VOLATILE ORGANICS ANALYSIS DATA SHEET  
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

**TB-13-32406**

Lab Name: Laucks Testing Labs Contract: \_\_\_\_\_

Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: JPL06

Matrix: (soil/water) WATER Lab Sample ID: JPL06-015

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: Y0327026.D

Level: (low/med) LOW Date Received: 03/25/06

% Moisture: not dec. \_\_\_\_\_ Date Analyzed: 03/27/06

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL) Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 1

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	3.68	6.1	J

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327026.D Vial: 31  
 Acq On : 27 Mar 2006 19:48 Operator: JMD  
 Sample : JPL06-015 TB-13-32406 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:17 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	827948	50.00	ug/l	0.00 94.42%
50) Chlorobenzene-d5	8.55	82	299219	50.00	ug/l	0.00 100.26%
69) 1,4-Dichlorobenzene-d4	10.88	152	284352	50.00	ug/l	0.00 90.19%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	222545	48.87	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	231722	51.61	ug/l	0.00
51) Toluene-d8	7.05	98	775362	50.52	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	254853	54.34	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	1.88	76	3020	N.D.		
15) Acetonitrile	0.00	40	0	N.D. d		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.12	84	300	Below Cal	#	37
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.		
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	4.50	75	145	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0327026.D 8260B.M Tue Mar 28 09:17:24 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\032706\Y0327026.D Vial: 31  
 Acq On : 27 Mar 2006 19:48 Operator: JMD  
 Sample : JPL06-015 TB-13-32406 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Mar 28 9:17 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	7.13	92	802		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	73		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	75		N.D.	
68) Isopropylbenzene	9.74	105	271		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.	
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	349		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.18	91	57		N.D.	
79) tert-Butylbenzene	10.51	119	56		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	113		N.D.	
81) sec-butylbenzene	10.74	105	284		N.D.	
82) 4-Isopropyltoluene	10.89	119	500		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	137		N.D.	
85) n-Butylbenzene	11.30	91	274		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	58	Below Cal	#	1
89) Hexachlorobutadiene	13.03	225	67	Below Cal	#	19
90) Naphthalene	0.00	128	0		N.D.	
91) 1,2,3-Trichlorobenzene	0.00	180	0		N.D.	

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-5

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-016Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331007.DLevel: (low/med) LOWDate Received: 03/28/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-5

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-016Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331007.DLevel: (low/med) LOWDate Received: 03/28/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331007.D  
 Acq On : 31 Mar 2006 13:05  
 Sample : JPL06-016 MW-5  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 31 13:36 2006

Vial: 15  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	815968	50.00	ug/l	0.00 93.05%
50) Chlorobenzene-d5	8.55	82	287229	50.00	ug/l	0.00 96.24%
69) 1,4-Dichlorobenzene-d4	10.87	152	286426	50.00	ug/l	0.00 90.84%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	223910	49.90	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	224820	50.81	ug/l	0.00
51) Toluene-d8	7.05	98	737765	50.08	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	244702	51.79	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	1.79	43	672	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	1356	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.51	75	135	N.D.		
39) Benzene	4.78	78	74	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0331007.D 8260B.M Fri Mar 31 13:36:12 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331007.D  
 Acq On : 31 Mar 2006 13:05  
 Sample : JPL06-016 MW-5  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Mar 31 13:36 2006

Vial: 15  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	217		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	307		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	8.57	112	354		N.D.	
62) Ethylbenzene	8.71	91	713		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	460		N.D.	
65) o-xylene	9.22	106	156		N.D.	
66) Styrene	9.25	104	289		N.D.	
67) Bromoform	9.40	173	217		N.D.	
68) Isopropylbenzene	9.61	105	676		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.01	120	128		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
74) Bromobenzene	9.87	156	57		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.07	91	556		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	688		N.D.	
78) 4-Chlorotoluene	10.19	91	750		N.D.	
79) tert-Butylbenzene	10.51	119	403		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	623		N.D.	
81) sec-butylbenzene	10.73	105	1016		N.D.	
82) 4-Isopropyltoluene	10.89	119	1303		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	671		N.D.	
85) n-Butylbenzene	11.29	91	1432		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	341		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	882	Below	Cal #	70
89) Hexachlorobutadiene	13.03	225	528	Below	Cal #	79
90) Naphthalene	13.06	128	1263		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	520	Below	Cal #	90

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331007.D Vial: 15  
Acq On : 31 Mar 2006 13:05 Operator: JMD  
Sample : JPL06-016 MW-5 Inst : yoda  
Misc : 5mL+IS/SS #1 (524.2) 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

\*\*\*\*\*  
Y0331007.D 8260B.M Fri Mar 31 13:36:25 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-14-32706

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-018Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331008.DLevel: (low/med) LOWDate Received: 03/28/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg)                      UG/L                      Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-14-32706

Lab Name: Laucks Testing LabsSDG No.: JPL06Matrix: (soil/water) WATERLab Sample ID: JPL06-018Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331008.DLevel: (low/med) LOWDate Received: 03/28/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331008.D  
 Acq On : 31 Mar 2006 13:30  
 Sample : JPL06-018 TB-14-32706  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 7 14:52 2006

Vial: 16  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
1) Fluorobenzene	5.19	96	806372	50.00	ug/l	0.00	91.96%
50) Chlorobenzene-d5	8.55	82	282168	50.00	ug/l	0.00	94.55%
69) 1,4-Dichlorobenzene-d4	10.88	152	286284	50.00	ug/l	0.00	90.80%
System Monitoring Compounds							
32) Dibromofluoromethane	4.27	111	221568	49.96	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	219774	50.26	ug/l	0.00	
51) Toluene-d8	7.05	98	719261	49.69	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	241152	51.07	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	1.78	43	728	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	1967	N.D.		
15) Acetonitrile	0.00	40	0	N.D. d		
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.12	84	279	Below Cal	#	30
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.		
27) 2-Butanone	3.69	43	106	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	4.50	75	59	N.D.		
39) Benzene	4.79	78	71	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0331008.D 8260B.M Fri Apr 07 14:52:46 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331008.D  
 Acq On : 31 Mar 2006 13:30  
 Sample : JPL06-018 TB-14-32706  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 7 14:52 2006

Vial: 16  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	753		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	132		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	8.57	112	320		N.D.	
62) Ethylbenzene	8.71	91	413		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.84	106	538		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.24	104	168		N.D.	
67) Bromoform	9.40	173	121		N.D.	
68) Isopropylbenzene	9.62	105	438		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.21	120	79		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	272		N.D.	
77) 1,3,5-Trimethylbenzene	10.21	105	511		N.D.	
78) 4-Chlorotoluene	10.18	91	387		N.D.	
79) tert-Butylbenzene	10.52	119	269		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	490		N.D.	
81) sec-butylbenzene	10.74	105	507		N.D.	
82) 4-Isopropyltoluene	10.90	119	905		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	681		N.D.	
85) n-Butylbenzene	11.29	91	892		N.D.	
86) 1,2-Dichlorobenzene	11.26	146	252		N.D.	
87) 1,2-Dibromo-3-chloropropan	0.00	157	0		N.D.	
88) 1,2,4-Trichlorobenzene	12.83	180	604	Below Cal	#	64
89) Hexachlorobutadiene	13.03	225	387	Below Cal	#	60
90) Naphthalene	13.06	128	741		N.D.	
91) 1,2,3-Trichlorobenzene	13.30	180	428	Below Cal	#	74

(#) = qualifier out of range (m) = manual integration  
 Y0331008.D 8260B.M Fri Apr 07 14:52:46 2006



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331008.D                   Vial: 16  
Acq On    : 31 Mar 2006  13:30                   Operator: JMD  
Sample    : JPL06-018 TB-14-32706               Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)               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

\*\*\*\*\*  
Y0331008.D  8260B.M    Fri Apr 07 14:52:53 2006

**Metals Data**

**JPL06**

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories  
 Lab Code: LAUCKS  
 SOW No.: \_\_\_\_\_

Contract: JPL Groundwater Monitorin  
 SDG No.: JPL06

Sample No.	Lab Sample ID
<u>DUPE-6-1Q06</u>	<u>JPL06-006</u>
<u>DUPE-7-1Q06</u>	<u>JPL06-013</u>
<u>EB-12-3/23/06</u>	<u>JPL06-007</u>
<u>EB-13-3/24/06</u>	<u>JPL06-014</u>
<u>MW-11-1</u>	<u>JPL06-012</u>
<u>MW-11-2</u>	<u>JPL06-011</u>
<u>MW-11-3</u>	<u>JPL06-010</u>
<u>MW-12-1</u>	<u>JPL06-005</u>
<u>MW-12-2</u>	<u>JPL06-004</u>
<u>MW-12-3</u>	<u>JPL06-003</u>
<u>MW-12-3MS</u>	<u>JPL06-003MS</u>
<u>MW-12-3MSD</u>	<u>JPL06-003MSD</u>
<u>MW-15</u>	<u>JPL06-017</u>
<u>MW-5</u>	<u>JPL06-016</u>
<u>MW-5MS</u>	<u>JPL06-016MS</u>
<u>MW-5MSD</u>	<u>JPL06-016MSD</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:

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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: 4/19/06 Title: Chemist

## **Metals Analysis Data Sheets**

INORGANIC ANALYSES DATA SHEET

MW-12-3
---------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-003

Level (low/med): LOW

Date Received: 03/24/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-12-2
---------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS    SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-004

Level (low/med): LOW

Date Received: 03/24/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.67			

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-12-1
---------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-005

Level (low/med): LOW

Date Received: 03/24/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.64			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

DUPE-6-1Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS    SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-006

Level (low/med): LOW

Date Received: 03/24/2006

% Solids: \_\_\_\_\_

Concentration Units :            ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.63			

Color Before: White      Clarity Before: Clear      Texture: \_\_\_\_\_

Color After: Colorless      Clarity After: Clear      Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



INORGANIC ANALYSES DATA SHEET

EB-12-3/23/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-007

Level (low/med): LOW

Date Received: 03/24/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-11-3

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-010

Level (low/med): LOW

Date Received: 03/25/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-11-2
---------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-011

Level (low/med): LOW

Date Received: 03/25/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-11-1

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-012

Level (low/med): LOW

Date Received: 03/25/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

DUPE-7-1Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-013

Level (low/med): LOW

Date Received: 03/25/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

EB-13-3/24/06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-014

Level (low/med): LOW

Date Received: 03/25/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	5.62			

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-5
------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-016

Level (low/med): LOW

Date Received: 03/28/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.00	U		

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-15
-------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS    SDG No.: JPL06

Run Sequence ID: R006243

Matrix (soil/water): Water

Lab Sample ID: JPL06-017

Level (low/med): LOW

Date Received: 03/28/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.50			

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



**Miscellaneous Inorganic Data**

**JPL06**

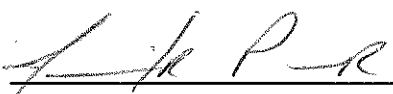
**Laucks Testing Laboratories**  
**Cover Page - Analysis Data Package**

Lab Code: LAUCKS

SDG Number: JPL06

Client Sample Identification	Lab Sample Identification
MW-12-5	JPL06-001DL 2X
MW-12-4	JPL06-002DL 2X
MW-12-3	JPL06-003DL 2X
MW-12-3MS	JPL06-003MS 2X
MW-12-3MSD	JPL06-003MSD 2X
MW-12-2	JPL06-004DL 4X
MW-12-1	JPL06-005DL 2X
DUPE-6-1Q06	JPL06-006DL 2X
EB-12-3/23/06	JPL06-007
MW-11-4	JPL06-009
MW-11-3	JPL06-010DL 2X
MW-11-2	JPL06-011DL 2X
MW-11-1	JPL06-012
MW-11-1-DL	JPL06-012DL 10X
MW-11-1	JPL06-012DL 4X
MW-11-1MS	JPL06-012DL MS 10X
MW-11-1MS	JPL06-012MS 10X
DUPE-7-1Q06	JPL06-013DL 2X
EB-13-3/24/06	JPL06-014
MW-5	JPL06-016DL 2X
MW-5MS	JPL06-016MS 2X
MW-5MSD	JPL06-016MSD 2X

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 Pennor  
 Date: April 13, 2006 Title: Inorganics Lead

## **Inorganic Analysis Data Sheets**

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL06  
**Sample Number:** MW-12-5 **Date/Time Collected:** 03/23/2006 08:14  
**Lab Sample ID:** JPL06-001 **Date/Time Received:** 03/24/2006 08:50  
**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	0.40	04/11/2006	04/12/2006	R006069

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL06  
**Sample Number:** MW-12-4 **Date/Time Collected:** 03/23/2006 08:34  
**Lab Sample ID:** JPL06-002 **Date/Time Received:** 03/24/2006 08:50  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	3.5		2.0	0.40	04/11/2006	04/12/2006	R006069

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL06  
**Sample Number:** MW-12-3 **Date/Time Collected:** 03/23/2006 08:58  
**Lab Sample ID:** JPL06-003 **Date/Time Received:** 03/24/2006 08:50  
**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	0.40	04/11/2006	04/12/2006	R006069

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL06  
**Sample Number:** MW-12-2 **Date/Time Collected:** 03/23/2006 09:22  
**Lab Sample ID:** JPL06-004 **Date/Time Received:** 03/24/2006 08:50  
**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	0.80	04/11/2006	04/12/2006	R006069







Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL06  
**Sample Number:** EB-12-3/23/06 **Date/Time Collected:** 03/23/2006 09:40  
**Lab Sample ID:** JPL06-007 **Date/Time Received:** 03/24/2006 08:50  
**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	0.20	04/11/2006	04/12/2006	R006069



Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL06  
**Sample Number:** MW-11-3 **Date/Time Collected:** 03/24/2006 08:00  
**Lab Sample ID:** JPL06-010 **Date/Time Received:** 03/25/2006 10:35  
**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	0.40	04/11/2006	04/12/2006	R006069

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL06  
**Sample Number:** MW-11-2 **Date/Time Collected:** 03/24/2006 08:28  
**Lab Sample ID:** JPL06-011 **Date/Time Received:** 03/25/2006 10:35  
**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	0.40	04/11/2006	04/12/2006	R006069

**SAMPLE DATA**

SDG # JPL07

Volatiles Analysis

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-7

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331020.DLevel: (low/med) LOWDate Received: 03/30/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-7

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-001Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331020.DLevel: (low/med) LOWDate Received: 03/30/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331020.D Vial: 28  
 Acq On : 31 Mar 2006 18:27 Operator: JMD  
 Sample : JPL07-001 MW-7 Inst : yoda  
 Misc : 5mL+IS/SS #4 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:16 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	743942	50.00	ug/l	0.00 84.84%
50) Chlorobenzene-d5	8.55	82	263514	50.00	ug/l	0.00 88.30%
69) 1,4-Dichlorobenzene-d4	10.88	152	264192	50.00	ug/l	0.00 83.79%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	204143	49.90	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	209457	51.92	ug/l	0.00
51) Toluene-d8	7.05	98	666841	49.33	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	222253	51.00	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )	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	476	Below Cal	#	40	
12) Iodomethane	0.00	142	0	N.D.			
13) Bromoethane	0.00	108	0	N.D.			
14) Carbon Disulfide	1.88	76	433	N.D.			
15) Acetonitrile	1.99	40	70	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.			
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	4.05	83	261	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.			

(#) = qualifier out of range (m) = manual integration  
 Y0331020.D 8260B.M Mon Apr 03 10:16:53 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331020.D  
 Acq On : 31 Mar 2006 18:27  
 Sample : JPL07-001 MW-7  
 Misc : 5mL+IS/SS #4 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:16 2006

Vial: 28  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	1971		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	129		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	61		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	115		N.D.	
68) Isopropylbenzene	9.74	105	247		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.	
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	115		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	115		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	68		N.D.	
81) sec-butylbenzene	10.73	105	67		N.D.	
82) 4-Isopropyltoluene	10.90	119	376		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	132		N.D.	
85) n-Butylbenzene	11.29	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	12.83	180	58	Below Cal	#	48
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\033106\Y0331020.D                   Vial: 28  
Acq On    : 31 Mar 2006  18:27                   Operator: JMD  
Sample    : JPL07-001 MW-7                   Inst     : yoda  
Misc      : 5mL+IS/SS #4 (524.2)            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

\*\*\*\*\*  
Y0331020.D  8260B.M    Mon Apr 03 10:17:01 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-8

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331021.DLevel: (low/med) LOWDate Received: 03/30/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-8

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-002Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331021.DLevel: (low/med) LOWDate Received: 03/30/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331021.D Vial: 29  
 Acq On : 31 Mar 2006 18:51 Operator: JMD  
 Sample : JPL07-002 MW-8 Inst : yoda  
 Misc : 5mL+IS/SS #3 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:17 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	765587	50.00	ug/l	0.00 87.31%
50) Chlorobenzene-d5	8.55	82	278334	50.00	ug/l	0.00 93.26%
69) 1,4-Dichlorobenzene-d4	10.88	152	282676	50.00	ug/l	0.00 89.65%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	208932	49.62	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	213434	51.41	ug/l	0.00
51) Toluene-d8	7.05	98	695442	48.71	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	239834	51.44	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	1.78	43	965	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	727	N.D.		
15) Acetonitrile	2.01	40	63	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.		
27) 2-Butanone	3.67	43	352	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	4.51	75	118	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0331021.D 8260B.M Mon Apr 03 10:17:39 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331021.D  
 Acq On : 31 Mar 2006 18:51  
 Sample : JPL07-002 MW-8  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:17 2006

Vial: 29  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	1969		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	59		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-Xylene	8.83	106	54		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	0.00	104	0		N.D.	
67) Bromoform	9.40	173	125		N.D.	
68) Isopropylbenzene	9.61	105	67		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	9.74	110	57		N.D.	
76) 2-Chlorotoluene	10.02	91	151		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.02	91	151		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.73	105	135		N.D.	
81) sec-butylbenzene	10.73	105	135		N.D.	
82) 4-Isopropyltoluene	10.89	119	136		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.81	146	62		N.D.	
85) n-Butylbenzene	11.30	91	280		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	13.30	180	67	Below Cal	#	18

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331021.D                   Vial: 29  
Acq On    : 31 Mar 2006 18:51                   Operator: JMD  
Sample    : JPL07-002 MW-8                   Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)            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

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Y0331021.D 8260B.M    Mon Apr 03 10:17:46 2006



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-15-32906

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331022.DLevel: (low/med) LOWDate Received: 03/30/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-15-32906

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-003Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331022.DLevel: (low/med) LOWDate Received: 03/30/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331022.D Vial: 30  
 Acq On : 31 Mar 2006 19:16 Operator: JMD  
 Sample : JPL07-003 TB-15-32906 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:18 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	766473	50.00	ug/l	0.00 87.41%
50) Chlorobenzene-d5	8.54	82	272773	50.00	ug/l	0.00 91.40%
69) 1,4-Dichlorobenzene-d4	10.88	152	274855	50.00	ug/l	0.00 87.17%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	212628	50.44	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	218775	52.63	ug/l	0.00
51) Toluene-d8	7.05	98	680164	48.61	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	228040	50.30	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.93	50	91	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	1428	Below Cal	#	73
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	1878	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	d	
16) Allyl chloride	0.00	76	0	N.D.		
17) Methyl Acetate	0.00	43	0	N.D.		
18) Methylene Chloride	2.12	84	895	Below Cal	#	86
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.		
27) 2-Butanone	3.68	43	114	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0331022.D 8260B.M Mon Apr 03 10:18:34 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331022.D  
 Acq On : 31 Mar 2006 19:16  
 Sample : JPL07-003 TB-15-32906  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:18 2006

Vial: 30  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	6.58	63	60		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	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	7.96	129	567		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	0.00	112	0		N.D.	
62) Ethylbenzene	8.55	91	980		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	517		N.D.	
68) Isopropylbenzene	9.74	105	226		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.	
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	116		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.01	91	116		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	121		N.D.	
81) sec-butylbenzene	10.74	105	54		N.D.	
82) 4-Isopropyltoluene	10.90	119	269		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	11.29	91	133		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.	

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331022.D           Vial: 30  
Acq On    : 31 Mar 2006  19:16                   Operator: JMD  
Sample    : JPL07-003 TB-15-32906               Inst    : yoda  
Misc      : 5mL+IS/SS #1 (524.2)               Multiplier: 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

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Y0331022.D  8260B.M    Mon Apr 03 10:19:03 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-10

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331023.DLevel: (low/med) LOWDate Received: 03/31/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.6	
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		2.1	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	J
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		21	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.3	J
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		1.6	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-10

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-004Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331023.DLevel: (low/med) LOWDate Received: 03/31/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331023.D Vial: 31  
 Acq On : 31 Mar 2006 19:41 Operator: JMD  
 Sample : JPL07-004 MW-10 Inst : yoda  
 Misc : 5mL+IS/SS #4 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:20 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	766107	50.00	ug/l	0.00 87.37%
50) Chlorobenzene-d5	8.55	82	272581	50.00	ug/l	0.00 91.33%
69) 1,4-Dichlorobenzene-d4	10.88	152	281233	50.00	ug/l	0.00 89.20%

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
32) Dibromofluoromethane	4.27	111	214243	50.85	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	217073	52.25	ug/l	0.00
51) Toluene-d8	7.05	98	685914	49.06	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	238105	51.33	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	1.40	101	490	N.D.		
8) 1,1-Dichloroethene	1.73	96	1028	N.D.		
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	1.78	101	822	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	418	N.D.		
15) Acetonitrile	0.00	40	0	N.D. 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	171	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	5440	0.64 ug/l ✓		93
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	431	N.D.		
27) 2-Butanone	3.63	43	58	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	17721	2.08 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	4.49	117	2743	0.48 ug/l ✓		97
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.49	75	71	N.D.		
39) Benzene	4.80	78	56	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	113939	20.51 ug/l ✓		97

(#) = qualifier out of range (m) = manual integration  
 Y0331023.D 8260B.M Mon Apr 03 10:20:12 2006

*JM 4/3/06*



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331023.D  
 Acq On : 31 Mar 2006 19:41  
 Sample : JPL07-004 MW-10  
 Misc : 5mL+IS/SS #4 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:20 2006

Vial: 31  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	6.58	63	60		N.D.	
47) Bromodichloromethane	6.27	83	1008		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	3715	0.31	ug/l ✓	99
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	9672	1.59	ug/l ✓	100
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	8.58	112	726		N.D.	
62) Ethylbenzene	8.84	91	145		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	77		N.D.	
68) Isopropylbenzene	9.74	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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	147		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	62		N.D.	
78) 4-Chlorotoluene	10.02	91	147		N.D.	
79) tert-Butylbenzene	10.51	119	66		N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	76		N.D.	
81) sec-butylbenzene	10.73	105	114		N.D.	
82) 4-Isopropyltoluene	10.88	119	222		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	270		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	60		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	

*JM 4/3/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331023.D           Vial: 31  
Acq On    : 31 Mar 2006 19:41                   Operator: JMD  
Sample    : JPL07-004 MW-10                   Inst     : yoda  
Misc      : 5mL+IS/SS #4 (524.2)            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

\*\*\*\*\*  
Y0331023.D 8260B.M    Mon Apr 03 10:38:44 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-13

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331024.DLevel: (low/med) LOWDate Received: 03/31/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.3	J
75-35-4	1,1-Dichloroethene		0.3	J
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.3	J
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		3.1	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		1.7	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		11	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		1.6	
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	J
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-13

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-005Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331024.DLevel: (low/med) LOWDate Received: 03/31/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331024.D  
 Acq On : 31 Mar 2006 20:05  
 Sample : JPL07-005 MW-13  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:21 2006

Vial: 32  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
1) Fluorobenzene	5.19	96	750611	50.00	ug/l	0.00	85.60%
50) Chlorobenzene-d5	8.55	82	271371	50.00	ug/l	0.00	90.93%
69) 1,4-Dichlorobenzene-d4	10.88	152	286062	50.00	ug/l	0.00	90.73%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	206924	50.13	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	211459	51.95	ug/l	0.00	
51) Toluene-d8	7.05	98	679917	48.85	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	233271	49.44	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	1.41	101	1444	0.31	ug/l #	94
8) 1,1-Dichloroethene	1.74	96	1349	0.28	ug/l	90
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	1.77	101	769	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	414	N.D.		
15) Acetonitrile	0.00	40	0	N.D. 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	2.79	63	2265	0.27	ug/l ✓	98
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	172	N.D.		
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	26199	3.14	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	4.50	117	9589	1.72	ug/l ✓	97
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	4.83	62	193	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	58568	10.76	ug/l ✓	98

(#) = qualifier out of range (m) = manual integration  
 Y0331024.D 8260B.M Mon Apr 03 10:21:43 2006

*Jm 4/3/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331024.D  
 Acq On : 31 Mar 2006 20:05  
 Sample : JPL07-005 MW-13  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:21 2006

Vial: 32  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	1336	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	19599	1.65	ug/l ✓	97
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	7.58	97	495	N.D.		
56) Tetrachloroethene	7.70	166	2900	0.48	ug/l ✓	97
57) 2-Hexanone	0.00	43	0	N.D.		
58) 1,3-Dichloropropane	0.00	76	0	N.D.		
59) Dibromochloromethane	7.97	129	407	N.D.		
60) 1,2-Dibromoethane	0.00	107	0	N.D.		
61) Chlorobenzene	8.57	112	58	N.D.		
62) Ethylbenzene	8.55	91	1058	N.D.		
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.		
64) m,p-Xylene	8.85	106	70	N.D.		
65) o-xylene	0.00	106	0	N.D.		
66) Styrene	0.00	104	0	N.D.		
67) Bromoform	9.39	173	142	N.D.		
68) Isopropylbenzene	9.62	105	60	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.		
74) Bromobenzene	0.00	156	0	N.D.		
75) 1,2,3-Trichloropropane	0.00	110	0	N.D.		
76) 2-Chlorotoluene	10.02	91	90	N.D.		
77) 1,3,5-Trimethylbenzene	0.00	105	0	N.D.		
78) 4-Chlorotoluene	10.02	91	90	N.D.		
79) tert-Butylbenzene	0.00	119	0	N.D.		
80) 1,2,4-Trimethylbenzene	10.73	105	66	N.D.		
81) sec-butylbenzene	10.73	105	66	N.D.		
82) 4-Isopropyltoluene	10.89	119	249	N.D.		
83) 1,3-Dichlorobenzene	0.00	111	0	N.D. d		
84) 1,4-Dichlorobenzene	10.80	146	109	N.D.		
85) n-Butylbenzene	11.29	91	196	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		

*quid/3/02*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331024.D           Vial: 32  
Acq On    : 31 Mar 2006  20:05                   Operator: JMD  
Sample    : JPL07-005 MW-13                   Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)            Multiplier: 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

\*\*\*\*\*  
Y0331024.D  8260B.M    Mon Apr 03 10:21:53 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-16

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331025.DLevel: (low/med) LOWDate Received: 03/31/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		2.9	
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		14	
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		26	
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		2.5	
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		12	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U



## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-16

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-006Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331025.DLevel: (low/med) LOWDate Received: 03/31/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331025.D  
 Acq On : 31 Mar 2006 20:30  
 Sample : JPL07-006 MW-16  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:23 2006

Vial: 33  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
1) Fluorobenzene	5.19	96	739720	50.00	ug/l	0.00	84.36%
50) Chlorobenzene-d5	8.55	82	263568	50.00	ug/l	0.00	88.31%
69) 1,4-Dichlorobenzene-d4	10.88	152	278965	50.00	ug/l	0.00	88.48%
System Monitoring Compounds							
32) Dibromofluoromethane	4.27	111	206338	50.72	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	209744	52.29	ug/l	0.00	
51) Toluene-d8	7.05	98	655649	48.50	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	228805	49.72	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	1.40	101	152	N.D.		
8) 1,1-Dichloroethene	1.74	96	13499	2.89	ug/l	98
9) Acrolein	0.00	56	0	N.D.		
10) 1,1,2-Trichloro-1,2,2-trif	1.77	101	633	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	501	N.D.		
15) Acetonitrile	1.99	40	64	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	576	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) 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	4.03	83	115931	14.12	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	4.50	117	143094	26.05	ug/l	98
36) Methyl methacrylate	0.00	41	0	N.D.		
37) 1,1-Dichloropropene	4.52	75	191	N.D.		
39) Benzene	0.00	78	0	N.D.		
40) 1,2-Dichloroethane	4.82	62	264	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.66	130	13508	2.52	ug/l	100

(#) = qualifier out of range (m) = manual integration  
 Y0331025.D 8260B.M Mon Apr 03 10:23:17 2006

*Jan 4/3/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331025.D  
 Acq On : 31 Mar 2006 20:30  
 Sample : JPL07-006 MW-16  
 Misc : 5mL+IS/SS #3 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:23 2006

Vial: 33  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
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	120	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	6170	0.54 ug/l ✓	98
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	7.70	97	197	N.D.	
56) Tetrachloroethene	7.70	166	68062	11.61 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	8.55	91	862	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	126	N.D.	
68) Isopropylbenzene	9.74	105	137	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.	
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	121	N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0	N.D.	
78) 4-Chlorotoluene	10.19	91	59	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	231	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	11.29	91	207	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.	

*qu 4/3/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331025.D           Vial: 33  
Acq On    : 31 Mar 2006 20:30                   Operator: JMD  
Sample    : JPL07-006 MW-16                   Inst     : yoda  
Misc      : 5mL+IS/SS #3 (524.2)             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

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Y0331025.D 8260B.M    Mon Apr 03 10:23:36 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-16-33006

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331026.DLevel: (low/med) LOWDate Received: 03/31/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-16-33006

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-007Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0331026.DLevel: (low/med) LOWDate Received: 03/31/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 03/31/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331026.D  
 Acq On : 31 Mar 2006 20:55  
 Sample : JPL07-007 TB-16-33006  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:24 2006

Vial: 34  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	756416	50.00	ug/l	0.00 86.26%
50) Chlorobenzene-d5	8.55	82	274155	50.00	ug/l	0.00 91.86%
69) 1,4-Dichlorobenzene-d4	10.88	152	270298	50.00	ug/l	0.00 85.73%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	212400	51.06	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	215566	52.55	ug/l	0.00
51) Toluene-d8	7.05	98	684235	48.66	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	232768	52.21	ug/l	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.00	85	0	N.D.		
3) Chloromethane	0.93	50	289	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	1434	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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.		
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	4.50	117	72	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.		

(#) = qualifier out of range (m) = manual integration  
 Y0331026.D 8260B.M Mon Apr 03 10:24:32 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331026.D  
 Acq On : 31 Mar 2006 20:55  
 Sample : JPL07-007 TB-16-33006  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 3 10:24 2006

Vial: 34  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
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	126		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	202		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	65		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	53		N.D.	
68) Isopropylbenzene	9.74	105	280		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.	
74) Bromobenzene	0.00	156	0		N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0		N.D.	
76) 2-Chlorotoluene	10.02	91	123		N.D.	
77) 1,3,5-Trimethylbenzene	0.00	105	0		N.D.	
78) 4-Chlorotoluene	10.02	91	123		N.D.	
79) tert-Butylbenzene	0.00	119	0		N.D.	
80) 1,2,4-Trimethylbenzene	10.74	105	63		N.D.	
81) sec-butylbenzene	10.74	105	63		N.D.	
82) 4-Isopropyltoluene	10.88	119	57		N.D.	
83) 1,3-Dichlorobenzene	0.00	111	0		N.D.	d
84) 1,4-Dichlorobenzene	10.90	146	57		N.D.	
85) n-Butylbenzene	11.30	91	159		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.	



Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\033106\Y0331026.D Vial: 34  
Acq On : 31 Mar 2006 20:55 Operator: JMD  
Sample : JPL07-007 TB-16-33006 Inst : yoda  
Misc : 5mL+IS/SS #1 (524.2) 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

\*\*\*\*\*  
Y0331026.D 8260B.M Mon Apr 03 10:24:40 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-6

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0405010.DLevel: (low/med) LOWDate Received: 04/01/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/05/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane	0.5		U
74-87-3	Chloromethane	0.5		U
75-01-4	Vinyl chloride	0.5		U
74-83-9	Bromomethane	0.5		U
75-00-3	Chloroethane	0.5		U
75-69-4	Trichlorofluoromethane	0.5		U
75-35-4	1,1-Dichloroethene	0.4		J
75-09-2	Methylene Chloride	0.5		U
156-60-5	trans-1,2-Dichloroethene	0.5		U
75-34-3	1,1-Dichloroethane	0.9		
594-20-7	2,2-Dichloropropane	0.5		U
156-59-2	cis-1,2-Dichloroethene	0.5		U
74-97-5	Bromochloromethane	0.5		U
67-66-3	Chloroform	0.4		J
563-58-6	1,1-Dichloropropene	0.5		U
71-55-6	1,1,1-Trichloroethane	0.5		U
56-23-5	Carbon tetrachloride	0.5		U
71-43-2	Benzene	0.5		U
107-06-2	1,2-Dichloroethane	0.5		U
79-01-6	Trichloroethene	0.5		U
78-87-5	1,2-Dichloropropane	0.5		U
74-95-3	Dibromomethane	0.5		U
75-27-4	Bromodichloromethane	0.5		U
10061-01-5	cis-1,3-Dichloropropene	0.5		U
108-88-3	Toluene	0.5		U
10061-02-6	trans-1,3-Dichloropropene	0.5		U
79-00-5	1,1,2-Trichloroethane	0.5		U
127-18-4	Tetrachloroethene	1.8		
124-48-1	Dibromochloromethane	0.5		U
106-93-4	1,2-Dibromoethane	0.5		U
100-41-4	Ethylbenzene	0.5		U
142-28-9	1,3-Dichloropropane	0.5		U
108-90-7	Chlorobenzene	0.5		U
108-38-3	m,p-Xylene	1.0		U
95-47-6	o-Xylene	0.5		U
630-20-6	1,1,1,2-Tetrachloroethane	0.5		U
100-42-5	Styrene	0.5		U
75-25-2	Bromoform	0.5		U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-6

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-008Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0405010.DLevel: (low/med) LOWDate Received: 04/01/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/05/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\040506\Y0405010.D Vial: 15  
 Acq On : 5 Apr 2006 13:06 Operator: JMD  
 Sample : JPL07-008 MW-6 Inst : yoda  
 Misc : 5mL+IS/SS #2 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Apr 5 13:36 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	784661	50.00	ug/l	0.00 89.48%
50) Chlorobenzene-d5	8.55	82	289902	50.00	ug/l	0.00 97.14%
69) 1,4-Dichlorobenzene-d4	10.88	152	310146	50.00	ug/l	0.00 98.37%
System Monitoring Compounds						
32) Dibromofluoromethane	4.27	111	213130	49.39	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	216407	50.86	ug/l	0.00
51) Toluene-d8	7.05	98	716905	48.21	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	255826	50.01	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	1.40	101	702	N.D.		
8) 1,1-Dichloroethene	1.73	96	2050	0.41	ug/l	96
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	1183	Below Cal	#	40
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.88	76	1801	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	57	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	8085	0.93	ug/l	97
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) 2-Butanone	3.67	43	245	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	3632	0.42	ug/l	99
33) 1,1,1-Trichloroethane	4.26	97	57	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	74	N.D.		
39) Benzene	4.79	78	407	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	1375	N.D.		

*Jan 4/5/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\040506\Y0405010.D  
 Acq On : 5 Apr 2006 13:06  
 Sample : JPL07-008 MW-6  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 5 13:36 2006

Vial: 15  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43) Methylcyclohexane	5.88	83	207	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	379	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	11482	1.78 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	8.57	112	586	N.D.	
62) Ethylbenzene	8.71	91	1053	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.84	106	816	N.D.	
65) o-xylene	9.23	106	238	N.D.	
66) Styrene	9.24	104	436	N.D.	
67) Bromoform	9.40	173	139	N.D.	
68) Isopropylbenzene	9.61	105	922	N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
72) n-Propylbenzene	10.01	120	414	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
74) Bromobenzene	9.86	156	281	N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0	N.D.	
76) 2-Chlorotoluene	10.07	91	746	N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	923	N.D.	
78) 4-Chlorotoluene	10.18	91	1102	N.D.	
79) tert-Butylbenzene	10.51	119	681	N.D.	
80) 1,2,4-Trimethylbenzene	10.56	105	884	N.D.	
81) sec-butylbenzene	10.74	105	1519	N.D.	
82) 4-Isopropyltoluene	10.89	119	1707	N.D.	
83) 1,3-Dichlorobenzene	10.80	111	237	N.D.	
84) 1,4-Dichlorobenzene	10.90	146	1237	N.D.	
85) n-Butylbenzene	11.29	91	1897	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	701	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

*Q 4/5/06*

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\040506\Y0405010.D                   Vial: 15  
Acq On    : 5 Apr 2006 13:06                   Operator: JMD  
Sample    : JPL07-008 MW-6                   Inst    : yoda  
Misc      : 5mL+IS/SS #2 (524.2)            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

\*\*\*\*\*  
Y0405010.D 8260B.M    Wed Apr 05 13:39:58 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-8-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0405011.DLevel: (low/med) LOWDate Received: 04/01/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/05/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.4	J
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		1.0	
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.4	J
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		1.8	
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUPE-8-1Q06

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-009Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0405011.DLevel: (low/med) LOWDate Received: 04/01/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/05/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U



Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\040506\Y0405011.D Vial: 16  
 Acq On : 5 Apr 2006 13:31 Operator: JMD  
 Sample : JPL07-009 DUPE-8-1Q06 Inst : yoda  
 Misc : 5mL+IS/SS #1 (524.2) Multiplr: 1.00  
 MS Integration Params: rteint.p  
 Quant Time: Apr 5 13:49 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B  
 IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Rcv(Ar )
1) Fluorobenzene	5.19	96	769037	50.00	ug/l	0.00	87.70%
50) Chlorobenzene-d5	8.55	82	282917	50.00	ug/l	0.00	94.80%
69) 1,4-Dichlorobenzene-d4	10.88	152	298086	50.00	ug/l	0.00	94.54%
System Monitoring Compounds							
32) Dibromofluoromethane	4.27	111	213275	50.43	ug/l	0.00	
38) 1,2-Dichloroethane-d4	4.72	65	213570	51.21	ug/l	0.00	
51) Toluene-d8	7.05	98	706779	48.70	ug/l	0.00	
70) 4-Bromofluorobenzene	9.74	95	249447	50.73	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	1.40	101	756	N.D.			
8) 1,1-Dichloroethene	1.74	96	2053	0.42	ug/l		96
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	1097	N.D.			
15) Acetonitrile	0.00	40	0	N.D.	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	8339	0.98	ug/l		98
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) 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	3438	0.40	ug/l		94
33) 1,1,1-Trichloroethane	4.25	97	58	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	114	N.D.			
39) Benzene	4.79	78	181	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	1179	N.D.			

(#) = qualifier out of range (m) = manual integration  
 Y0405011.D 8260B.M Wed Apr 05 13:50:02 2006

*JM 4/5/06*

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\040506\Y0405011.D  
 Acq On : 5 Apr 2006 13:31  
 Sample : JPL07-009 DUPE-8-1Q06  
 Misc : 5mL+IS/SS #1 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 5 13:49 2006

Vial: 16  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
43) Methylcyclohexane	5.87	83	130	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	7.13	92	180	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	11202	1.78 ug/l	100
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	8.58	112	391	N.D.	
62) Ethylbenzene	8.72	91	668	N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0	N.D.	
64) m,p-Xylene	8.84	106	538	N.D.	
65) o-xylene	9.23	106	68	N.D.	
66) Styrene	9.24	104	310	N.D.	
67) Bromoform	9.39	173	151	N.D.	
68) Isopropylbenzene	9.61	105	556	N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0	N.D.	
72) n-Propylbenzene	10.02	120	74	N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0	N.D.	
74) Bromobenzene	0.00	156	0	N.D.	
75) 1,2,3-Trichloropropane	0.00	110	0	N.D.	
76) 2-Chlorotoluene	10.08	91	481	N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	677	N.D.	
78) 4-Chlorotoluene	10.18	91	742	N.D.	
79) tert-Butylbenzene	10.51	119	385	N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	666	N.D.	
81) sec-butylbenzene	10.74	105	990	N.D.	
82) 4-Isopropyltoluene	10.89	119	1331	N.D.	
83) 1,3-Dichlorobenzene	10.81	111	118	N.D.	
84) 1,4-Dichlorobenzene	10.90	146	778	N.D.	
85) n-Butylbenzene	11.29	91	1117	N.D.	
86) 1,2-Dichlorobenzene	11.25	146	500	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	

*Jm* 4/5/06

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\040506\Y0405011.D Vial: 16  
Acq On : 5 Apr 2006 13:31 Operator: JMD  
Sample : JPL07-009 DUPE-8-1Q06 Inst : yoda  
Misc : 5mL+IS/SS #1 (524.2) 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

\*\*\*\*\*  
Y0405011.D 8260B.M Wed Apr 05 13:50:11 2006

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-17-33106

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0405012.DLevel: (low/med) LOWDate Received: 04/01/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/05/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
75-71-8	Dichlorodifluoromethane		0.5	U
74-87-3	Chloromethane		0.5	U
75-01-4	Vinyl chloride		0.5	U
74-83-9	Bromomethane		0.5	U
75-00-3	Chloroethane		0.5	U
75-69-4	Trichlorofluoromethane		0.5	U
75-35-4	1,1-Dichloroethene		0.5	U
75-09-2	Methylene Chloride		0.5	U
156-60-5	trans-1,2-Dichloroethene		0.5	U
75-34-3	1,1-Dichloroethane		0.5	U
594-20-7	2,2-Dichloropropane		0.5	U
156-59-2	cis-1,2-Dichloroethene		0.5	U
74-97-5	Bromochloromethane		0.5	U
67-66-3	Chloroform		0.5	U
563-58-6	1,1-Dichloropropene		0.5	U
71-55-6	1,1,1-Trichloroethane		0.5	U
56-23-5	Carbon tetrachloride		0.5	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		0.5	U
79-01-6	Trichloroethene		0.5	U
78-87-5	1,2-Dichloropropane		0.5	U
74-95-3	Dibromomethane		0.5	U
75-27-4	Bromodichloromethane		0.5	U
10061-01-5	cis-1,3-Dichloropropene		0.5	U
108-88-3	Toluene		0.5	U
10061-02-6	trans-1,3-Dichloropropene		0.5	U
79-00-5	1,1,2-Trichloroethane		0.5	U
127-18-4	Tetrachloroethene		0.5	U
124-48-1	Dibromochloromethane		0.5	U
106-93-4	1,2-Dibromoethane		0.5	U
100-41-4	Ethylbenzene		0.5	U
142-28-9	1,3-Dichloropropane		0.5	U
108-90-7	Chlorobenzene		0.5	U
108-38-3	m,p-Xylene		1.0	U
95-47-6	o-Xylene		0.5	U
630-20-6	1,1,1,2-Tetrachloroethane		0.5	U
100-42-5	Styrene		0.5	U
75-25-2	Bromoform		0.5	U

## VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TB-17-33106

Lab Name: Laucks Testing LabsSDG No.: JPL07Matrix: (soil/water) WATERLab Sample ID: JPL07-010Sample wt/vol: 5.0 (g/ml) MLLab File ID: Y0405012.DLevel: (low/med) LOWDate Received: 04/01/06

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 04/05/06GC Column: DB-624 ID: 0.18 (mm)Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
95-50-1	1,2-Dichlorobenzene		0.5	U
106-46-7	1,4-Dichlorobenzene		0.5	U
98-82-8	Isopropylbenzene		0.5	U
541-73-1	1,3-Dichlorobenzene		0.5	U
79-34-5	1,1,2,2-Tetrachloroethane		0.5	U
96-18-4	1,2,3-Trichloropropane		0.5	U
87-61-6	1,2,3-Trichlorobenzene		0.5	U
120-82-1	1,2,4-Trichlorobenzene		0.5	U
95-63-6	1,2,4-Trimethylbenzene		0.5	U
108-67-8	1,3,5-Trimethylbenzene		0.5	U
110-75-8	2-Chlorotoluene		0.5	U
106-43-4	4-Chlorotoluene		0.5	U
99-87-6	4-Isopropyltoluene		0.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha		0.5	U
78-93-3	2-Butanone		5.0	U
108-86-1	Bromobenzene		0.5	U
108-10-1	4-Methyl-2-pentanone		5.0	U
96-12-8	1,2-Dibromo-3-chloropropane		0.5	U
1634-04-4	Methyl tert-butyl ether		0.5	U
87-68-3	Hexachlorobutadiene		0.5	U
91-20-3	Naphthalene		0.5	U
104-51-8	n-Butylbenzene		0.5	U
103-65-1	n-Propylbenzene		0.5	U
135-98-8	sec-Butylbenzene		0.5	U
98-06-6	tert-Butylbenzene		0.5	U

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\040506\Y0405012.D  
 Acq On : 5 Apr 2006 13:56  
 Sample : JPL07-010 TB-17-33106  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 5 14:20 2006

Vial: 17  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

IS QA File : Q:\MSDCHEM\1\DATA\031606\Y0316014.D (16 Mar 2006 13:11)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar )
1) Fluorobenzene	5.19	96	771136	50.00	ug/l	0.00 87.94%
50) Chlorobenzene-d5	8.55	82	288470	50.00	ug/l	0.00 96.66%
69) 1,4-Dichlorobenzene-d4	10.88	152	305189	50.00	ug/l	0.00 96.79%

System Monitoring Compounds

32) Dibromofluoromethane	4.27	111	212685	50.15	ug/l	0.00
38) 1,2-Dichloroethane-d4	4.72	65	214048	51.19	ug/l	0.00
51) Toluene-d8	7.05	98	710152	47.99	ug/l	0.00
70) 4-Bromofluorobenzene	9.74	95	254189	50.49	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	0.93	50	80	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	1570	Below Cal	#	47
12) Iodomethane	0.00	142	0	N.D.		
13) Bromoethane	0.00	108	0	N.D.		
14) Carbon Disulfide	1.87	76	1579	N.D.		
15) Acetonitrile	0.00	40	0	N.D.	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	911	Below Cal		86
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.		
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	4.50	75	178	N.D.		
39) Benzene	4.77	78	112	N.D.		
40) 1,2-Dichloroethane	0.00	62	0	N.D.		
41) Isobutanol	0.00	43	0	N.D.		
42) Trichloroethene	5.65	130	54	N.D.		

(#) = qualifier out of range (m) = manual integration  
 Y0405012.D 8260B.M Wed Apr 05 14:20:50 2006

Quantitation Report

Data File : Q:\MSDCHEM\1\DATA\040506\Y0405012.D  
 Acq On : 5 Apr 2006 13:56  
 Sample : JPL07-010 TB-17-33106  
 Misc : 5mL+IS/SS #2 (524.2)  
 MS Integration Params: rteint.p  
 Quant Time: Apr 5 14:20 2006

Vial: 17  
 Operator: JMD  
 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 Mar 16 16:02:31 2006  
 Response via : Initial Calibration  
 DataAcq Meth : 8260B

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
43) Methylcyclohexane	5.87	83	179		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	259		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	131		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	400		N.D.	
57) 2-Hexanone	0.00	43	0		N.D.	
58) 1,3-Dichloropropane	0.00	76	0		N.D.	
59) Dibromochloromethane	7.96	129	342		N.D.	
60) 1,2-Dibromoethane	0.00	107	0		N.D.	
61) Chlorobenzene	8.58	112	235		N.D.	
62) Ethylbenzene	8.72	91	555		N.D.	
63) 1,1,1,2-Tetrachloroethane	0.00	131	0		N.D.	
64) m,p-xylene	8.84	106	497		N.D.	
65) o-xylene	0.00	106	0		N.D.	
66) Styrene	9.25	104	217		N.D.	
67) Bromoform	9.39	173	493		N.D.	
68) Isopropylbenzene	9.61	105	533		N.D.	
71) 1,1,2,2-Tetrachloroethane	0.00	83	0		N.D.	
72) n-Propylbenzene	10.02	120	170		N.D.	
73) trans-1,4-Dichloro-2-buten	0.00	53	0		N.D.	
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	415		N.D.	
77) 1,3,5-Trimethylbenzene	10.20	105	447		N.D.	
78) 4-Chlorotoluene	10.18	91	852		N.D.	
79) tert-Butylbenzene	10.52	119	508		N.D.	
80) 1,2,4-Trimethylbenzene	10.57	105	640		N.D.	
81) sec-butylbenzene	10.73	105	933		N.D.	
82) 4-Isopropyltoluene	10.89	119	1304		N.D.	
83) 1,3-Dichlorobenzene	10.81	111	118		N.D.	
84) 1,4-Dichlorobenzene	10.90	146	775		N.D.	
85) n-Butylbenzene	11.29	91	1294		N.D.	
86) 1,2-Dichlorobenzene	11.25	146	343		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

Library Search Compound Report

Data File : Q:\MSDCHEM\1\DATA\040506\Y0405012.D                   Vial: 17  
Acq On    : 5 Apr 2006 13:56                   Operator: JMD  
Sample    : JPL07-010 TB-17-33106           Inst     : yoda  
Misc      : 5mL+IS/SS #2 (524.2)           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

\*\*\*\*\*  
Y0405012.D 8260B.M Wed Apr 05 14:20:57 2006



**Metals Data**

**JPL07**

COVER PAGE-INORGANIC ANALYSES DATA PACKAGE

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS

SDG No.: JPL07

SOW No.: \_\_\_\_\_

<u>Sample No.</u>	<u>Lab Sample ID</u>
<u>DUPE-8-1Q06</u>	<u>JPL07-009</u>
<u>MW-10</u>	<u>JPL07-004</u>
<u>MW-10MS</u>	<u>JPL07-004MS</u>
<u>MW-10MSD</u>	<u>JPL07-004MSD</u>
<u>MW-13</u>	<u>JPL07-005</u>
<u>MW-6</u>	<u>JPL07-008</u>
<u>MW-7</u>	<u>JPL07-001</u>
<u>MW-7MS</u>	<u>JPL07-001MS</u>
<u>MW-7MSD</u>	<u>JPL07-001MSD</u>
<u>MW-8</u>	<u>JPL07-002</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: 

Name: Cheronne Ozeiro

Date: 04/24/06

Title: Metals Lead

## **Metals Analysis Data Sheets**

INORGANIC ANALYSES DATA SHEET

MW-7
------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL07

Run Sequence ID: R006247

Matrix (soil/water): Water

Lab Sample ID: JPL07-001

Level (low/med): LOW

Date Received: 03/30/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.14		E	

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-8

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL07

Run Sequence ID: R006247

Matrix (soil/water): Water

Lab Sample ID: JPL07-002

Level (low/med): LOW

Date Received: 03/30/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	1.15		E	

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-10
-------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS    SDG No.: JPL07

Run Sequence ID: R006247

Matrix (soil/water): Water

Lab Sample ID: JPL07-004

Level (low/med): LOW

Date Received: 03/31/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	14.8		E	

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-13
-------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL07

Run Sequence ID: R006247

Matrix (soil/water): Water

Lab Sample ID: JPL07-005

Level (low/med): LOW

Date Received: 03/31/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	48.2		E	

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

INORGANIC ANALYSES DATA SHEET

MW-6
------

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS    SDG No.: JPL07

Run Sequence ID: R006247

Matrix (soil/water): Water

Lab Sample ID: JPL07-008

Level (low/med): LOW

Date Received: 04/01/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	4.89		E	

Color Before: White    Clarity Before: Clear    Texture: \_\_\_\_\_

Color After: Colorless    Clarity After: Clear    Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



INORGANIC ANALYSES DATA SHEET

SAMPLE NO.

DUPE-8-1Q06

Lab Name: Laucks Laboratories

Contract: JPL Groundwater Monitorin

Lab Code: LAUCKS SDG No.: JPL07

Run Sequence ID: R006247

Matrix (soil/water): Water

Lab Sample ID: JPL07-009

Level (low/med): LOW

Date Received: 04/01/2006

% Solids: \_\_\_\_\_

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	4.85		E	

Color Before: White Clarity Before: Clear Texture: \_\_\_\_\_

Color After: Colorless Clarity After: Clear Artifacts: No

Comment \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Miscellaneous Inorganic Data**

**JPL07**

**Laucks Testing Laboratories**  
**Cover Page - Analysis Data Package**

Lab Code: LAUCKS

SDG Number: JPL07

Client Sample Identification	Lab Sample Identification
MW-7	JPL07-001
MW-7-DL	JPL07-001DL 10X
MW-7	JPL07-001DL 2X
MW-7MS	JPL07-001DL MS 10X
MW-7MSD	JPL07-001DL MSD 10X
MW-7MS	JPL07-001MS
MW-7MS	JPL07-001MS 10X
MW-7MSD	JPL07-001MSD
MW-7MSD	JPL07-001MSD 10X
MW-8	JPL07-002
MW-8-DL	JPL07-002DL 10X
MW-8	JPL07-002DL 2X
MW-8-DL	JPL07-002DL 5X
MW-8MS	JPL07-002MS 5X
MW-8MSD	JPL07-002MSD 5X
MW-10	JPL07-004DL 4X
MW-10MS	JPL07-004MS 4X
MW-10MSD	JPL07-004MSD 4X
MW-13	JPL07-005
MW-13	JPL07-005DL 100X
MW-13-DL	JPL07-005DL 10X
MW-16	JPL07-006
MW-16	JPL07-006DL 1000X
MW-16-DL	JPL07-006DL 10X
MW-16MS	JPL07-006MS
MW-16MSD	JPL07-006MSD
MW-6	JPL07-008DL 4X
DUPE-8-1Q06	JPL07-009DL 4X

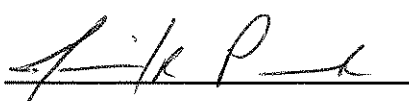
**Laucks Testing Laboratories**  
**Cover Page - Analysis Data Package**

Lab Code: LAUCKS

SDG Number: JPL07

Client Sample Identification	Lab Sample Identification
------------------------------	---------------------------

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: April 18, 2006 Title: Inorganics Lead

## **Inorganic Analysis Data Sheets**

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL07  
**Sample Number:** MW-7 **Date/Time Collected:** 03/29/2006 09:02  
**Lab Sample ID:** JPL07-001 **Date/Time Received:** 03/30/2006 08:15  
**Method:** E300.0 **Unit:** mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrate - N	14797-55-8	1	0.88		0.040	0.012	03/31/2006	03/31/2006	R005882
Nitrite - N	14797-65-0	1	0.050	U	0.050	0.010	03/31/2006	03/31/2006	R005882
Orthophosphate	7723-14-0	1	0.10	U	0.10	0.037	03/31/2006	03/31/2006	R005882
Chloride	16887-00-6	10	32		2.0	0.89	03/31/2006	03/31/2006	R005882
Sulfate as SO4	14808-79-8	10	47		5.0	2.9	03/31/2006	03/31/2006	R005882

**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	2	26		2.0	0.40	04/13/2006	04/13/2006	R006186



Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL07  
**Sample Number:** MW-10 **Date/Time Collected:** 03/30/2006 08:33  
**Lab Sample ID:** JPL07-004 **Date/Time Received:** 03/31/2006 08:10  
**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	22		4.0	0.80	04/13/2006	04/13/2006	R006186





**Laucks Testing Laboratories, Inc.**

**Final Results**

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL07  
**Sample Number:** MW-16 **Date/Time Collected:** 03/30/2006 13:35  
**Lab Sample ID:** JPL07-006 **Date/Time Received:** 03/31/2006 08:10  
**Method:** E300.0 **Unit:** mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Nitrite - N	14797-65-0	1	0.050	U	0.050	0.010	03/31/2006	03/31/2006	R005882
Orthophosphate	7723-14-0	1	0.10	U	0.10	0.037	03/31/2006	03/31/2006	R005882
Chloride	16887-00-6	10	29		2.0	0.89	03/31/2006	03/31/2006	R005882
Nitrate - N	14797-55-8	10	9.3		0.40	0.12	03/31/2006	03/31/2006	R005882
Sulfate as SO4	14808-79-8	10	35		5.0	2.9	03/31/2006	03/31/2006	R005882

**Method:** E314.0 **Unit:** ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	1000	12000		1000	200	04/13/2006	04/14/2006	R006186

**Method:** SW7196A **Unit:** mg/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Chromium, Hexavalent	18540-29-9	1	0.0050		0.0050	0.0022	03/31/2006	03/31/2006	R005905

Laucks Testing Laboratories, Inc.

Final Results

Client: Battelle Project: JPL Groundwater Monitoring  
SDG Number: JPL07  
Sample Number: MW-6 Date/Time Collected: 03/31/2006 09:02  
Lab Sample ID: JPL07-008 Date/Time Received: 04/01/2006 09:30  
Method: E314.0 Unit: ug/L

Analyte	CAS	DF	Result	Q	PQL	MDL	Prepared	Analyzed	Run Seq.
Perchlorate	14797-73-0	4	9.9		4.0	0.80	04/13/2006	04/14/2006	R006186

Laucks Testing Laboratories, Inc.

Final Results

**Client:** Battelle **Project:** JPL Groundwater Monitoring  
**SDG Number:** JPL07  
**Sample Number:** DUPE-8-1Q06 **Date/Time Collected:** 03/31/2006 00:00  
**Lab Sample ID:** JPL07-009 **Date/Time Received:** 04/01/2006 09:30  
**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	0.80	04/13/2006	04/14/2006	R006186



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 24, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1688 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 24, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1688 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', written over a horizontal line.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave. Suite C-205.  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (614)458-6641

Service ID #: 801-061688 Received: 03/08/06  
Collected by: DE Extracted: N/A  
Collected on: 03/08/06 Tested: 03/08/06  
Reported: 03/17/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result		
				DUPE-1-1Q06 06-01688-1	EB-1-3-8-06 06-01688-2	MW-21-1 06-01688-3
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

Component Analyzed	Method	Unit	PQL	Analysis Result			
				MW-21-2 06-01688-4	MW-21-3 06-01688-5	MW-21-4 06-01688-6	MW-21-5 06-01688-7
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau

Laboratory Director

Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 24, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1705 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories





Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 24, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1705 and your project your project G486090  
JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

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Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Suite C-205  
San Diego CA 92110  
Tel: (614) 574-4827 Fax: (619) 260-0882

Service ID #: 801-061705 Received: 03/09/06  
Collected by: D. Erbes Extracted: N/A  
Collected on: 03/09/06 Tested: 03/09/06  
Reported: 03/17/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result		
				EB-2-3906 06-01705-1	MW-20-1 06-01705-2	MW-20-2 06-01705-3
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

Component Analyzed	Method	Unit	PQL	Analysis Result		
				MW-20-3 06-01705-4	MW-20-4 06-01705-5	MW-20-5 06-01705-6
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

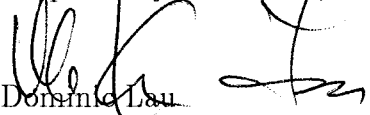
N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Donnie Lau

Laboratory Director

Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 24, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1726 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



## Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 24, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1726 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Suite C-205.  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061726 Received: 03/10/06  
Collected by: DE Extracted: N/A  
Collected on: 03/10/06 Tested: 03/10/06  
Reported: 03/17/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result		
				EB-3-31006 06-01726-1	MW-26-1 06-01726-2	MW-26-2 06-01726-3
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau  
Laboratory Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 24, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1745 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

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Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 24, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1745 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', written over a horizontal line.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave, Suite C-205.  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061745 Received: 03/13/06  
Collected by: Extracted: N/A  
Collected on: 03/13/06 Tested: 03/13/06  
Reported: 03/17/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result		
				EB-4-31306 06-01745-1	MW-25-1 06-01745-2	MW-25-2 06-01745-3
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

Component Analyzed	Method	Unit	PQL	Analysis Result		
				MW-25-3 06-01745-4	MW-25-4 06-01745-5	MW-25-5 06-01745-6
CHROMIUM (VI)	7196	mg/L	0.01	0.020	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

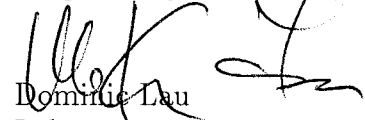
N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau

Laboratory Director

Applied P & CH Laboratories





**A P C L**

*Applied Physics & Chemistry Laboratory*

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 27, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1759 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



**A P C L**

*Applied Physics & Chemistry Laboratory*

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 27, 2006

Laboratory Data Consultants .

Attention: Dung Ngo

7750 El Camino Real, Suite 2L

Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1759 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova

Associate QA/QC Director

Applied P & CH Laboratories

# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Suite C-205.  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061759 Received: 03/14/06  
Collected by: Extracted: N/A  
Collected on: 03/14/06 Tested: 03/14/06  
Reported: 03/20/06  
Sample Description: Water  
Project Description: G486090 JPL GW MON 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result			
				EB-5-31406 06-01759-1	MW-18-2 06-01759-3	MW-18-3 06-01759-4	MW-18-4 06-01759-5
Dilution Factor				1	1	1	1
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	<0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau  
Laboratory Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 27, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1774 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



## Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 27, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1774 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

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Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

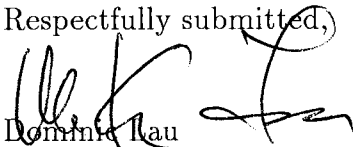
Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Ste C 205.  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (614)458-6641

Service ID #: 801-061774 Received: 03/15/06  
Collected by: M. Mendoza Extracted: N/A  
Collected on: 03/15/06 Tested: 03/15/06  
Reported: 03/17/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result			
				EB-6-3/15/06 06-01774-1	MW-22-1 06-01774-2	MW-22-2 06-01774-3	MW-22-3 06-01774-4
Dilution Factor				1	1	1	1
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	<0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit  
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.  
J: Reported between PQL and MDL.  
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,  
  
Dominic Lau  
Laboratory Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13780 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 27, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1792 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 27, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1792 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

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Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Ste C-205.  
San Diego CA 92110  
Tel: (614)574-4827 Fax: (619)260-0882

Service ID #: 801-061792 Received: 03/16/06  
Collected by: M. Mendoza Extracted: N/A  
Collected on: 03/16/06 Tested: 03/16/06  
Reported: 03/20/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result			
				EB-7-3/16/06 06-01792-1	MW-4-1 06-01792-2	MW-4-2 06-01792-3	MW-4-3 06-01792-4
Dilution Factor				1	1	1	1
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	<0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau  
Laboratory Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 30, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1818 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

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Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 30, 2006

Laboratory Data Consultants .

Attention: Dung Ngo

7750 El Camino Real, Suite 2L

Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1818 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova

Associate QA/QC Director

Applied P & CH Laboratories

# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Suite C-205  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061818 Received: 03/17/06  
Collected by: M. Mendoza Extracted: N/A  
Collected on: 03/17/06 Tested: 03/17/06  
Reported: 03/24/06  
Sample Description: Water from Pasadena.  
Project Description: G486090 JPL GW Mon 1 Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result		
				DUPE-2-1Q06 06-01818-1	EB-8-3/17/06 06-01818-2	MW-24-1 06-01818-3
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

Component Analyzed	Method	Unit	PQL	Analysis Result		
				MW-24-2 06-01818-4	MW-24-3 06-01818-5	MW-24-4 06-01818-6
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

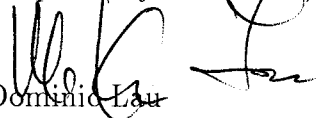
N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau  
Laboratory Director  
Applied P & CH Laboratories



**A P C L**

**Applied Physics & Chemistry Laboratory**

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 31, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1837 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova

Associate QA/QC Director

Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 31, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1837 and your project your project G486090  
JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Suite C-205.  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061837 Received: 03/20/06  
Collected by: M. Mendoza Extracted: N/A  
Collected on: 03/20/06 Tested: 03/20/06  
Reported: 03/24/06  
Sample Description: Water from Pasadena.  
Project Description: G486090 JPL GW mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result	
				DUPE-4-1Q06 06-01837-1	EB-9-3/20/06 06-01837-2
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	<0.01	<0.01

Component Analyzed	Method	Unit	PQL	Analysis Result		
				MW-3-2 06-01837-3	MW-3-3 06-01837-4	MW-3-4 06-01837-5
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau

Laboratory Director

Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 31, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1856 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories





**A P C L**

**Applied Physics & Chemistry Laboratory**

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 31, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1856 and your project your project G486090  
JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova

Associate QA/QC Director

Applied P & CH Laboratories

# APCL Analytical Report

Submitted to:  
 Battelle  
 Attention: David Conner  
 3990 Old Town Ave., Suite C-205  
 San Diego CA 92110  
 Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061856 Received: 03/21/06  
 Collected by: M. Mendoza Extracted: N/A  
 Collected on: 03/21/06 Tested: 03/21/06  
 Reported: 03/24/06

Sample Description: Water from Pasadena.  
 Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result		
				EB-10-3/21/06 06-01856-1	MW-14-1 06-01856-2	MW-14-2 06-01856-3
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

Component Analyzed	Method	Unit	PQL	Analysis Result			
				MW-14-3 06-01856-4	MW-17-2 06-01856-5	MW-17-3 06-01856-6	MW-17-4 06-01856-7
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

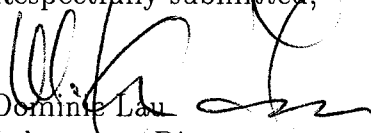
N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau  
 Laboratory Director

Applied P & CH Laboratories



**A P C L**

*Applied Physics & Chemistry Laboratory*

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 31, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1863 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



A P C L

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 31, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1863 and your project your project G486090  
JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# APCL Analytical Report

Submitted to:  
 Battelle  
 Attention: David Conner  
 3990 Old Town Ave., Suite C-205  
 San Diego CA 92110  
 Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061863 Received: 03/22/06  
 Collected by: M. Mendoza Extracted: N/A  
 Collected on: 03/22/06 Tested: 03/22/06  
 Reported: 03/24/06  
 Sample Description: Water from Pasadena  
 Project Description: G486090 JPL GW MON 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result		
				DUPE-5-1Q06 06-01863-1	EB-11-3/22/06 06-01863-2	MW-23-1 06-01863-3
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	< 0.01	< 0.01	< 0.01

Component Analyzed	Method	Unit	PQL	Analysis Result		
				MW-23-2 06-01863-4	MW-23-3 06-01863-5	MW-23-4 06-01863-6
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	< 0.01	< 0.01	< 0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

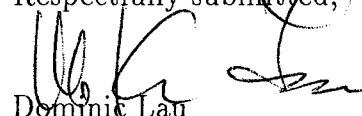
"-": Analysis is not required.

J: Reported between PQL and MDL.

† All results are reported on dry basis for soil samples.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau  
 Laboratory Director  
 Applied P & CH Laboratories



A P C L

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 31, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1882 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



A P C L

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

March 31, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1882 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Suite C-205  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061882 Received: 03/23/06  
Collected by: M. Mendoza Extracted: N/A  
Collected on: 03/23/06 Tested: 03/23/06  
Reported: 03/24/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result	
				DUPE-6-1Q06 06-01882-1	EB-12-3/23/06 06-01882-2
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01

Component Analyzed	Method	Unit	PQL	Analysis Result		
				MW-12-1 06-01882-3	MW-12-2 06-01882-4	MW-12-3 06-01882-5
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau

Laboratory Director

Applied P & CH Laboratories





A P C L

Applied Physics & Chemistry Laboratory

13780 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 11, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1902 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova

Associate QA/QC Director

Applied P & CH Laboratories



A P C L

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 11, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1902 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Ste C-205  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061902 Received: 03/24/06  
Collected by: M. Mendoza Extracted: N/A  
Collected on: 03/24/06 Tested: 03/24/06  
Reported: 03/28/06  
Sample Description: Water from JPL Pasadena, CA.  
Project Description: G486090 JPL GW Mon 1Q06

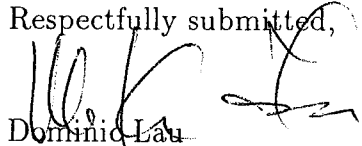
## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result	
				DUPE-7-1Q06 06-01902-1	EB-13-3/24/06 06-01902-2
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01

Component Analyzed	Method	Unit	PQL	Analysis Result		
				MW-11-1 06-01902-3	MW-11-2 06-01902-4	MW-11-3 06-01902-5
CHROMIUM (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit  
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.  
J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,  
  
Dominic Lau  
Laboratory Director  
Applied P & CH Laboratories



**A P C L**

*Applied Physics & Chemistry Laboratory*

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 12, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1913 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



**A P C L**

*Applied Physics & Chemistry Laboratory*

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 12, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1913 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Suite C-205.  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061913      Received: 03/27/06  
Collected by: MM              Extracted: N/A  
Collected on: 03/27/06      Tested: 03/27/06  
Reported: 03/30/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

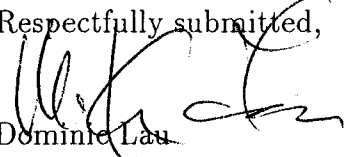
Component Analyzed	Method	Unit	PQL	Analysis Result	
				MW-5 06-01913-1	MW-15 06-01913-2
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	<0.01	<0.01

PQL: Practical Quantitation Limit.      MDL: Method Detection Limit.      CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.      "-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,  
  
Dominic Lau  
Laboratory Director  
Applied P & CH Laboratories



A P C L

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 12, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1941 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova

Associate QA/QC Director

Applied P & CH Laboratories



A P C L

Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 12, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1941 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 old Town Ave., Suite C-205  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061941 Received: 03/29/06  
Collected by: M. Mendoza. Extracted: N/A  
Collected on: 03/29/06 Tested: 03/29/06  
Reported: 04/04/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result	
				MW-7 06-01941-1	MW-8 06-01941-2
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	<0.01	<0.01

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau  
Laboratory Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 12, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1969 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the printed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



**A P C L**

**Applied Physics & Chemistry Laboratory**

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 12, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1969 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Tow Ave, Suite C-205  
San Diego CA 92110  
Tel: (619) 574-4827 Fax: (619) 260-0882

Service ID #: 801-061969      Received: 03/31/06  
Collected by: M. Mendoza.      Extracted: N/A  
Collected on: 03/31/06      Tested: 03/31/06  
Reported: 04/04/06  
Sample Description: Water  
Project Description: G486090 JPL GW Mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result	
				DUPE-8-1Q06 06-01969-1	MW-6 06-01969-2
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	< 0.01	< 0.01


PQL: Practical Quantitation Limit.      MDL: Method Detection Limit.      CRDL: Contract Required Detection Limit

N.D.: Not Detected or less than the practical quantitation limit.      ".": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,



Dominic Lau

Laboratory Director

Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 11, 2006

Battelle - Columbus Operations  
Attention : David Conner  
3900 Old Town Ave, Ste. C205  
San Diego CA 92110

Dear David,

This package contains samples in our Service ID 06-1971 and your project G486090 JPL GW Mon 1Q06. Enclosed please find:

(1) One compact disk of Level D Data Package Deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', is written over the typed name.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories



Applied Physics & Chemistry Laboratory

13760 Magnolia Ave. Chino CA 91710

Tel. (909) 590-1828 Fax (909) 590-1498

April 11, 2006

Laboratory Data Consultants .  
Attention: Dung Ngo  
7750 El Camino Real, Suite 2L  
Carlsbad, CA 92009.

Dear Dung,

This package contains samples in our Service ID 06-1971 and your project your project G486090 JPL GW Mon 1Q06. Enclosed please find:

- (1) One original of Level D Data Package Deliverable.
- (2) One diskette containing EDD deliverable.

If anything is missing or you have any questions, please feel free to contact me.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Regina Kirakozova', written over a horizontal line.

Regina Kirakozova  
Associate QA/QC Director  
Applied P & CH Laboratories

# Applied P & CH Laboratories

13760 Magnolia Ave. Chino CA 91710

Tel: (909) 590-1828 Fax: (909) 590-1498

# APCL Analytical Report

Submitted to:  
Battelle  
Attention: David Conner  
3990 Old Town Ave., Suite C-205.  
San Diego CA 92110  
Tel: (619)574-4827 Fax: (619)260-0882

Service ID #: 801-061971 Received: 03/30/06  
Collected by: M. Mendoza Extracted: N/A  
Collected on: 03/30/06 Tested: 03/30-04/04/06  
Reported: 04/05/06

Sample Description: Water  
Project Description: G486090 JPL GW mon 1Q06

## Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result	
				MW-16	06-01971-3
Dilution Factor				1	
<b>CHROMIUM</b>	200.8	$\mu\text{g/L}$	1	13.9	

Component Analyzed	Method	Unit	PQL	Analysis Result	
				MW-10	MW-13
				06-01971-1	06-01971-2
<b>CHROMIUM (VI)</b>	7196	mg/L	0.01	0.010	0.024

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit

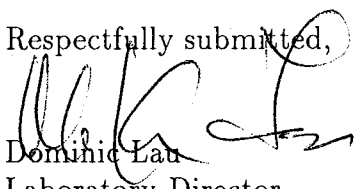
N.D.: Not Detected or less than the practical quantitation limit.

"-": Analysis is not required.

J: Reported between PQL and MDL.

Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,

  
Dominic Lau

Laboratory Director

Applied P & CH Laboratories