APCL

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVIRONMENTAL TECH. Contact: PAUL JEFFERS Tel #: 858-485-8100 Fax #: 858-485-0812

Address: 16835 W. BERNARDO DR. #212 City: SAN DIEGO State: CA Zip code: 92127

Bill to: SOTA

Project Name/Code JPL Job #ODHW019 P.O. #

Project Address PASADENA, CA APCL Quotation #

Due Date: ☐regular ☐rush: ___ days ___ hours Sampled by: MES/JNT

Analysis Items

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	VOCs (524.2)	PERCHLORATE (314.0)	MS/MSD	Remarks
	TRIP BLANK	7/18/01	1050	H_2O	PER LAB	2	X			ERA LEVEL IV (D) QA/QC
	MW-19-5	7/18/01	1130	H_2O	PER LAB	4	X	X		
	MW-19-4	7/18/01	1157	H_2O	PER LAB	4	X	X		
	ER-19	7/18/01	1205	H_2O	PER LAB	4	X	X		
	MW-19-3	7/18/01	1215	H_2O	PER LAB	8	X	X	X	
	MW-19-2	7/18/01	1245	H_2O	PER LAB	4	X	X		
	MW-19-2D	7/18/01	1245	H_2O	PER LAB	4	X	X		
	MW-19-1	7/18/01	1320	H_2O	PER LAB	4	X	X		
	~~MW-8~~ 7/18/01									

4770

White – With report
Yellow – Lab copy
Pink – Originator

QC Requirement: ☐Regular; ☐QA/QC Report; ☐WIP; ☐Raw Data; ☐Extended Raw Data ☐CLP; ☐ACE ☐AFCEE ☐NEESA ___ (E, C or D); ☐Other _____ (Please specify)

Sample Disposal: ☐Return ☐Disposal by APCL ☐Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐Intact; ☐Broken. Cooler Seal: ☐Intact; ☐Broken; ☐ None . Tag # _____ Temperature: ☐Room ☐Cold (_____ °C)

Relinquished by [signature] Date/Time 7/18/01 / 1645 Received by [signature] Date/Time 7-18-01 / 1645

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

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Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
SOTA Environmental
Attention: Yu Zeng
16835 W. Bernardo Dr, Ste. 212
San Diego CA 92127
Tel: (858)485-8100 Fax: (858)485-0812

Service ID #: 801-014729
Collected by: MES/JNT
Collected on: 07/16/01

Received: 07/16/01
Extracted: N/A
Tested: 07/16-20/01
Reported: 07/24/01

Sample Description: Water
Project Description: Job#00HW019 JPL

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result ER-20 01-04729-1	MW-20-1 01-04729-2	MW-20-2 01-04729-3
Perchlorate	E314	µg/L	4	<4	<4	<4
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloromethane	524.2	µg/L	0.5	<0.5	0.6	3.9
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result ER-20 01-04729-1	MW-20-1 01-04729-2	MW-20-2 01-04729-3
1,2-Dichloroethene (Total)	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	μg/L	1	<1	<1	<1
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	<1	<1	<1
Naphthalene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Toluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-20-3 01-04729-4	MW-20-4 01-04729-5	Trip Blank 01-04729-6
Perchlorate	E314	µg/L	4	<4	<4	-
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01	-
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-20-3 01-04729-4	MW-20-4 01-04729-5	Trip Blank 01-04729-6
Hexachlorobutadiene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	μg/L	1	<1	<1	<1
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	<1	<1	<1
Naphthalene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Toluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5

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 Laboratory

APCL

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Chain of Custody

Please Print in pen

Client: SOTA ENVIRONMENTAL Contact: PAUL JEFFERS Tel #: 858-485-8100 Fax #: 858-485-0812

Address: 16835 W. BERNARDO DR. #212 City: SAN DIEGO State: CA Zip code: 92127

Bill to: SAME AS ABOVE

Project Name/Code JPL Job # DOHW019 P.O. #

Project Address APCL Quotation #

Due Date: ☐regular ☐rush: ___ days ___ hours Sampled by: MES/JNT

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	VDCs (524.2)	Total Cr (200.8)	Cr VI (7196)	Perchlorate (314)								Remarks
	MW-20-4	7/16/01	1035	H_2O	PER LAB	5	X	X	X	X								QA/QC
	MW-20-53 ~~7/16/01~~	7/16/01	1110	H_2O	PER LAB	5	X	X	X	X								REQUIREMENT
	MW-20-2	7/16/01	1150	H_2O	PER LAB	5	X	X	X	X								EPA LEVEL
	MW-20-1	7/16/01	1225	H_2O	PER LAB	5	X	X	X	X								IV (D)
	ER-20	7/16/01	1125	H_2O	PER LAB	5	X	X	X	X								
	TRIP BLANK	7/16/01	—	H_2O	HCl	2	X											

4729

White – With report
Yellow – Lab copy
Pink – Originator

QC Requirement: ☐Regular; ☐QA/QC Report; ☐WIP; ☐Raw Data; ☐Extended Raw Data ☐CLP; ☐ACE ☐AFCEE ☐NEESA ___(E, C or D); ☐Other _____ (Please specify)

Sample Disposal: ☐Return ☐Disposal by APCL ☐Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐Intact; ☐Broken. Cooler Seal: ☐Intact; ☐Broken; ☐ None . Tag # _____ Temperature: ☐ Room ☐Cold (_____ °C).

Relinquished by [signature] Date/Time 7/16/01 / 1521 Received by [signature] Date/Time 7/16/01 13:21

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

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APCL Analytical Report

Submitted to:
SOTA Environmental
Attention: Yu Zeng
16835 W. Bernardo Dr, Ste. 212
San Diego CA 92127
Tel: (858)485-8100 Fax: (858)485-0812

Service ID #: 801-014685
Collected by:
Collected on: 07/13/01

Received: 07/13/01
Extracted: N/A
Tested: 07/13-27/01
Reported: 07/27/01

Sample Description: Water
Project Description: Job#00HW019 JPL

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result ER-3 01-04685-1	MW-3-2 01-04685-2	MW-3-3 01-04685-3
Perchlorate	E314	μg/L	4	<4	<4	8.4
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	μg/L	0.5	<0.5	<0.5	7.7
Chlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	μg/L	0.5	<0.5	<0.5	26.4
Chloromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	μg/L	0.5	<0.5	<0.5	<0.5

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Component Analyzed	Method	Unit	PQL	Analysis Result ER-3 01-04685-1	MW-3-2 01-04685-2	MW-3-3 01-04685-3
1,2-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	μg/L	1	<1	<1	<1
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	<1	<1	<1
Naphthalene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Toluene	524.2	μg/L	0.5	0.4J	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	μg/L	0.5	<0.5	<0.5	0.9
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	μg/L	0.5	<0.5	<0.5	0.4J

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Component Analyzed	Method	Unit	PQL	Analysis Result MW-3-4 01-04685-4	MW-3-5 01-04685-5	Trip Blank 01-04685-6
Perchlorate	E314	µg/L	4	<4	<4	-
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	-	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	-	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	-	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	-	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	-	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	-	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	-	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	-	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	-	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	-	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	-	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	-	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	-	<0.5
Chloroform	524.2	µg/L	0.5	<0.5	-	<0.5
Chloromethane	524.2	µg/L	0.5	<0.5	-	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	-	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	-	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	-	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	-	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	-	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	-	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	-	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	-	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	-	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	-	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	-	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	-	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	-	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	-	<0.5
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	-	<0.5
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	-	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	-	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	-	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	-	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	-	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	-	<0.5
Ethylbenzene	524.2	µg/L	0.5	0.8	-	<0.5
Hexachlorobutadiene	524.2	µg/L	0.5	<0.5	-	<0.5

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Component Analyzed	Method	Unit	PQL	Analysis Result MW-3-4 01-04685-4	MW-3-5 01-04685-5	Trip Blank 01-04685-6
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	-	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	-	<0.5
Methylene chloride	524.2	μg/L	1	<1	-	2
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	<1	-	<1
Naphthalene	524.2	μg/L	0.5	<0.5	-	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	-	<0.5
Styrene	524.2	μg/L	0.5	<0.5	-	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	-	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	-	<0.5
Tetrachloroethene	524.2	μg/L	0.5	<0.5	-	<0.5
Toluene	524.2	μg/L	0.5	<0.5	-	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	-	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	-	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	-	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	-	<0.5
Trichloroethene	524.2	μg/L	0.5	<0.5	-	<0.5
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	-	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	-	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	-	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	-	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	-	<0.5
o-Xylene	524.2	μg/L	0.5	0.5	-	<0.5
m/p-Xylene	524.2	μg/L	0.5	0.5J	-	<0.5

Component Analyzed	Method	Unit	PQL	Analysis Result ER-3 01-04685-1	MW-3-2 01-04685-2	MW-3-3 01-04685-3	MW-3-4 01-04685-4
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 Laboratory

CADHS ELAP No.: 1431 NFESC Approved since 11/01/94

Applied P & Ch Laboratory

APCL

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Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVIRONMENTAL Contact: PAUL JEFFERS Tel #: 858 485-8100 Fax #: 858 485-0812

Address: 16835 W. BERNARDO DR. #212 City: SAN DIEGO State: CA Zip code: 92127

Bill to: SAME

Project Name/Code JPL Job # 00HW019 P.O. #

Project Address APCL Quotation #

Due Date: ☐regular ☐rush: ___ days ___ hours Sampled by:

Field Sample ID No.	Sample Description PS	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	VOC 524.2	Total Cr 200.8	Cr VI 7196	Perchlorate EPA 314									Remarks
	MW-3-5	7/13	0900	H_2O	PER LAB	1				X									QA/QC
	MW-3-4	7/13	0925	H_2O	PER LAB	5	X	X	X	X									REQUIREMENT
	MW-3-3	7/13	0955	H_2O	PER LAB	5	X	X	X	X									EPA LEVEL
	MW-3-2	7/13	1020	H_2O	PER LAB	5	X	X	X	X									IV (D)
	ER-3	7/13	0930	H_2O	PER LAB	5	X	X	X	X									
	TRIP BLANK	7/13	—	H_2O	HCl	2	X												

4685

White – With report
Yellow – Lab copy
Pink – Originator

QC Requirement: ☐Regular; ☐QA/QC Report; ☐WIP; ☐Raw Data; ☐Extended Raw Data ☐CLP; ☐ACE ☐AFCEE ☐NEESA ___ (E, C or D); ☐Other _____ (Please specify)

Sample Disposal: ☐Return ☐Disposal by APCL ☐Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐Intact; ☐Broken. Cooler Seal: ☐Intact; ☐Broken; ☐ None . Tag # _____ Temperature: ☐ Room ☐Cold (_____ °C).

Relinquished by Don Neil Tome Date/Time 7/13/01 / Received by [illegible] Date/Time 7/13/01 / 1130

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

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APCL Analytical Report

Submitted to:
SOTA Environmental
Attention: Yu Zeng
16835 W. Bernardo Dr, Ste. 212
San Diego CA 92127
Tel: (858)485-8100 Fax: (858)485-0812

Service ID #: 801-014684
Collected by:
Collected on: 07/12/01

Received: 07/12/01
Extracted: N/A
Tested: 07/13-17/01
Reported: 07/19/01

Sample Description: Water from UST Site 14133
Project Description: Job#00HW019 JPL

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result MW-5 01-04684-1	MW-16 01-04684-2
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01
Dilution Factor				1	200
Perchlorate	E314	µg/L	4	<4	1,800
Volatile Organic Compounds					
Dilution Factor				1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	7.8
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	<0.5	6.9
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	0.4J
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	0.5J
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5

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Component Analyzed	Method	Unit	PQL	Analysis Result MW-5 01-04684-1	MW-16 01-04684-2
trans-1,2-Dichloroethene	524.2	μg/L	0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	μg/L	0.5	<0.5	<0.5
1,2-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5
Ethylbenzene	524.2	μg/L	0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	μg/L	0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	<0.5
Methylene chloride	524.2	μg/L	1	<1	<1
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	<1	<1
Naphthalene	524.2	μg/L	0.5	<0.5	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	<0.5
Styrene	524.2	μg/L	0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5
Tetrachloroethene	524.2	μg/L	0.5	<0.5	<0.5
Toluene	524.2	μg/L	0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5
Trichloroethene	524.2	μg/L	0.5	<0.5	5.6
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	<0.5
o-Xylene	524.2	μg/L	0.5	<0.5	<0.5
m/p-Xylene	524.2	μg/L	0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-5-D 01-04684-3	MW-16-D 01-04684-4	Trip Blank 01-04684-5
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01	-
Dilution Factor				1	200	1
Perchlorate	E314	µg/L	4	<4	1,800	-
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	7.8	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	<0.5	7.1	<0.5
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	0.5J	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-5-D 01-04684-3	MW-16-D 01-04684-4	Trip Blank 01-04684-5
Ethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	μg/L	1	<1	<1	2
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	0.4J	0.3J	<1
Naphthalene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Toluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	μg/L	0.5	<0.5	5.6	<0.5
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5

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 Laboratory

Applied P & Ch Laboratory

APCL

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Chain of Custody

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Client: SOTA ENVIRONMENTAL Contact: PAUL JEFFERS Tel #: 858 485-8100 Fax #: 858 485-0812

Address: 16835 W. BERNARDO DR. #212 City: SAN DIEGO State: CA Zip code: 92127

Bill to: SAME

Project Name/Code JPL Job # 00HW019 P.O. #

Project Address APCL Quotation #

Due Date: ☒ regular ☐ rush: ___ days ___ hours Sampled by:

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	VOC 524.2	Total Cr 200.8	Cr VI 7196	Perchlorate EPA 314								Remarks
	MW-5	7/12	1335	H_2O	PER LAB	5	X	X	X	X								QA/QC
	MW-5-D	7/12	1335	H_2O	PER LAB	5	X	X	X	X								REQUIREMENT
	TRIP BLANK	7/12	—	H_2O	HCl	2	X											EPA LEVEL
	MW-16	7/12	1450	H_2O	PER LAB	5	X	X	X	X								IV (D)
	MW-16-D	7/12	1450	H_2O	PER LAB	5	X	X	X	X								

White – With report
Yellow – Lab copy
Pink – Originator

4684

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA ___ (E, C or D); ☐ Other _____ (Please specify)

Sample Disposal: ☐ Return ☐ Disposal by APCL ☐ Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag # _____ Temperature: ☐ Room ☐ Cold (_____ °C).

Relinquished by [signature] Date/Time 7/12/01 / 1700 Received by [signature] Date/Time 7/12/01 / 1700

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
SOTA Environmental
Attention: Yu Zeng
16835 W. Bernardo Dr, Ste. 212
San Diego CA 92127
Tel: (858)485-8100 Fax: (858)485-0812

Service ID #: 801-014650
Collected by:
Collected on: 07/11/01

Received: 07/11/01
Extracted: N/A
Tested: 07/12-16/01
Reported: 07/20/01

Sample Description: Water from UST Site 14133
Project Description: 00HW019 JPL

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result MW-6 01-04650-1	MW-10 01-04650-2	MW-13 01-04650-3
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01
Perchlorate	E314	µg/L	4	<4	24	216
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	0.6
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	0.4J	2.4
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	0.3J
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	0.4J	0.8	3.8
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	0.4J	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	0.4J
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-6 01-04650-1	MW-10 01-04650-2	MW-13 01-04650-3
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	<0.5	0.4J
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	µg/L	1	<1	<1	<1
Methyl-t-Butyl ether (MTBE)	524.2	µg/L	1	<1	<1	<1
Naphthalene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	µg/L	0.5	1.4	0.4J	0.7
Toluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	µg/L	0.5	<0.5	11.9	30.3
Trichlorofluoromethane	524.2	µg/L	0.5	0.3J	<0.5	<0.5
1,2,3-Trichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-10-D 01-04650-4	MW-20-5 01-04650-5	Trip Blank 01-04650-6
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01	-
Perchlorate	E314	µg/L	4	30	<4	-
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	0.4J	<0.5	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	0.9	<0.5	<0.5
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-10-D 01-04650-4	MW-20-5 01-04650-5	Trip Blank 01-04650-6
Hexachlorobutadiene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	μg/L	1	<1	<1	2.6
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	<1	<1	<1
Naphthalene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	μg/L	0.5	0.4J	<0.5	<0.5
Toluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	μg/L	0.5	12.6	<0.5	<0.5
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5

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 Laboratory

Applied P & Ch Laboratory

APCL

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Chain of Custody

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Client: SOTA ENVIRONMENTAL Contact: PAUL JEFFERS Tel #: 858 485-8100 Fax #: 858 485-0812
Address: 16835 W. BERNARDO DR. City: SAN DIEGO State: CA. Zip code: 92127
Bill to: SAME
Project Name/Code JPL Job #00HW019 P.O. #
Project Address APCL Quotation #
Due Date: ☒ regular ☐ rush: ___ days ___ hours Sampled by:

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	VOC 524.2	Total Cr 200.8	Cr VI 7196	Perchlorate EPA 314	MS/MSD								Remarks
	MW-10	7/11	1207	H_2O	PERLAB	5	X	X	X	X									QA/QC
	MW-10-D	7/11	1207	H_2O	PERLAB	5	X	X	X	X									REQUIREMENT
	TRIP BLANK	7/11	—	H_2O	HCl	2	X												EPA LEVEL
	MW-20-5	7/10	1235	H_2O	PERLAB	5	X	X	X	X									IV (D)
	MW-13	7/11	1435	H_2O	PERLAB	10	X	X	X	X	X								
	MW-6	7/11	1610	H_2O	PERLAB	10	X	X	X	X	X								

Analysis Items

White – With report
Yellow – Lab copy
Pink – Originator

4650

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA ___ (E, C or D); ☐ Other _____ (Please specify)

Sample Disposal: ☐ Return ☐ Disposal by APCL ☐ Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☒ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag # _____ Temperature: ☐ Room ☐ Cold (_____ °C).

Relinquished by Paul Date/Time 7/11/01 / 1640 Received by Date/Time 7-11-01 / 1640

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
SOTA Environmental
Attention: Yu Zeng
16835 W. Bernardo Dr, Ste. 212
San Diego CA 92127
Tel: (858)485-8100 Fax: (858)485-0812

Service ID #: 801-014599
Collected by:
Collected on: 07/09/01

Received: 07/09/01
Extracted: N/A
Tested: 07/11-13/01
Reported: 07/20/01

Sample Description: Water
Project Description: 00HW019 JPL

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result ER-21 01-04599-1	MW-21-1 01-04599-2	MW-21-2 01-04599-3
Perchlorate	E314	µg/L	4	<4	8	<4
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	<0.5	1.5	<0.5
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result ER-21 01-04599-1	MW-21-1 01-04599-2	MW-21-2 01-04599-3
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	µg/L	1	1	<1	<1
Methyl-t-Butyl ether (MTBE)	524.2	µg/L	1	<1	<1	<1
Naphthalene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	µg/L	0.5	<0.5	0.8	0.9
Toluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	µg/L	0.5	<0.5	15.5	<0.5
Trichlorofluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-21-3 01-04599-4	MW-21-4 01-04599-5	MW-21-5 01-04599-6	Trip Blank 01-04599-7
Perchlorate	E314	µg/L	4	3J	<4	2J	-
Volatile Organic Compounds							
Dilution Factor				1	1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	0.4J	0.6	0.6	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	0.5J	0.4J	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	0.8	1.1	1.4	<0.5
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	1.5	2.0	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	1.5	2.0	<0.5
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	µg/L	0.5	<0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-21-3 01-04599-4	MW-21-4 01-04599-5	MW-21-5 01-04599-6	Trip Blank 01-04599-7
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	μg/L	1	<1	<1	<1	2
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	<1	<1	<1	<1
Naphthalene	524.2	μg/L	0.5	1.0	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
Styrene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	μg/L	0.5	1.8	8.1	11.6	<0.5
Toluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	μg/L	0.5	0.7	0.6	0.6	<0.5
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5	<0.5

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 Laboratory

APCL

Applied P & Ch Laboratory

13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVIRONMENTAL Contact: PAUL JEFFERS Tel #: 858 485-8100 Fax #: 858 485-8100 0812

Address: 16835 W. BERNARDO #212 City: State: Zip code:

Bill to: SAME

Project Name/Code JPL Job # 00HW019 P.O. #

Project Address APCL Quotation #

Due Date: ☒ regular ☐ rush: ____ days ____ hours Sampled by:

Analysis Items: VOC 524.2; PEST/PCB 608; HS 8260

White – With report
Yellow – Lab copy
Pink – Originator

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	VOC 524.2	PEST/PCB 608	HS 8260	Remarks
	MW-21-5	7/9	1315	H_2O	PER LAB	4	X	X		QA/QC
	MW-21-4	7/9	1625	H_2O	PER LAB	4	X	X		REQUIREMENT
	MW-21-3	7/9	1640	H_2O	PER LAB	4	X	X		EPA LEVEL
	MW-21-2	7/9	1655	H_2O	PER LAB	4	X	X		IV (D)
	MW-21-1	7/9	1715	H_2O	PER LAB	4	X	X		
	ER-21	7/9	1710	H_2O	PER LAB	4	X	X		
	TRIP BLANK	7/9	—	H_2O	HCl	2	X			

4599

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA ____ (E, C or D); ☐ Other _____ (Please specify)

Sample Disposal: ☐ Return ☐ Disposal by APCL ☐ Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag # _____ Temperature: ☐ Room ☐ Cold (_____ °C).

Relinquished by [signature] Date/Time 7/9/01 1750 Received by [signature] Date/Time 7-9-01 1750

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

APCL Form 4-101, Ver. 4.0, Dec. 20, 1994.

Root-file:[CUST.DATA.LAB]CHAIN_ROOT.TEX File:[CUST.DATA.LAB]CHAIN4.TEX

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
SOTA Environmental
Attention: Yu Zeng
16835 W. Bernardo Dr, Ste. 212
San Diego CA 92127
Tel: (858)485-8100 Fax: (858)485-0812

Service ID #: 801-014565
Collected by:
Collected on: 07/06/01

Received: 07/06/01
Extracted: N/A
Tested: 07/06-11/01
Reported: 07/23/01

Sample Description: Water
Project Description: 00HW019 JPL

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result ER-17 01-04565-1	MW-17-2 01-04565-2	MW-17-3 01-04565-3
Perchlorate	E314	µg/L	4	<4	<4	<4
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	<0.5	0.6
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	<0.5	0.4J	1.5
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result ER-17 01-04565-1	MW-17-2 01-04565-2	MW-17-3 01-04565-3
1,2-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	μg/L	1	<1	<1	<1
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	<1	<1	<1
Naphthalene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Toluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	μg/L	0.5	<0.5	<0.5	0.8
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-17-4 01-04565-4	MW-17-5 01-04565-5	Trip Blank 01-04565-6
Perchlorate	E314	µg/L	4	10	22	-
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	0.3J	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	1	1.0	<0.5
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-17-4 01-04565-4	MW-17-5 01-04565-5	Trip Blank 01-04565-6
Isopropylbenzene (Cumene)	524.2	μg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	μg/L	1	<1	<1	2
Methyl-t-Butyl ether (MTBE)	524.2	μg/L	1	<1	<1	<1
Naphthalene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	μg/L	0.5	0.4J	0.5J	<0.5
Toluene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	μg/L	0.5	5.7	6.1	<0.5
Trichlorofluoromethane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	μg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	μg/L	0.5	<0.5	<0.5	<0.5

Component Analyzed	Method	Unit	PQL	Analysis Result ER-17 01-04565-1	MW-17-2 01-04565-2	MW-17-3 01-04565-3	MW-17-4 01-04565-4
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 Laboratory

APCL

Applied Plant & Oil Laboratory

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Chain of Custody

Please Print in pen Page 1 of 1

Client: SOTA ENVIRONMENTAL Contact: PAUL JEFFERS Tel #: 858 485-8100 Fax #: 858 485-0812

Address: 16835 W. BERNARDO DR. City: SAN DIEGO State: CA Zip code: 92127

Bill to: SAME

Project Name/Code JPL Job # 00HW019 P.O. #

Project Address APCL Quotation #

Due Date: ☒ regular ☐ rush: ___ days ___ hours Sampled by:

Field Sample ID No.	Sample Description	Date Collected	Time Collected	Sample Matrix	Preservation	# of Containers	VOC 524.2	Total Cr 200.8	Cr VI 7196	Perchlorate EPA 314									Remarks
	MW-17-5	7/6	1050	H_2O	Per Lab	4	X			X									QA/QC
	MW-17-4	7/6	1125	H_2O	Per Lab	5	X	X	X	X									Requirement
	MW-17-3	7/6	1155	H_2O	Per Lab	5	X	X	X	X									EPA Level
	MW-17-2	7/6	1225	H_2O	Per Lab	5	X	X	X	X									IV (D)
	ER-17	7/6	1135	H_2O	Per Lab	5	X	X	X	X									
	TRIP BLANK	7/6	—	H_2O	HCl	2	X												

White – With report
Yellow – Lab copy
Pink – Originator

4565

QC Requirement: ☐ Regular; ☐ QA/QC Report; ☐ WIP; ☐ Raw Data; ☐ Extended Raw Data ☐ CLP; ☐ ACE ☐ AFCEE ☐ NEESA ___ (E, C or D); ☐ Other _____ (Please specify)

Sample Disposal: ☐ Return ☐ Disposal by APCL ☐ Hold for _____ days after receiving date. **If not specified, samples will be discarded 45 days after samples are received.**

Sample Conditions: ☐ Intact; ☐ Broken. Cooler Seal: ☐ Intact; ☐ Broken; ☐ None. Tag # _____ Temperature: ☐ Room ☐ Cold (_____ °C).

Relinquished by [signature] Date/Time 7/6/01 / 1335 Received by [signature] Date/Time 7/6/01 / 1335

Relinquished by Date/Time / Received by Date/Time /

APCL USE ONLY Service # Note:

Clients understand that all terms described in the proposals, quotations for this project, and/or the general terms provided in the current APCL price schedules will be followed. APCL reserves the right to terminate its service or withhold delivery of any reports, if in APCL's sole discretion the terms of the project have been broken.

Applied P & Ch Laboratory
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APCL Analytical Report

Submitted to:
SOTA Environmental
Attention: Yu Zeng
16835 W. Bernardo Dr, Ste. 212
San Diego CA 92127
Tel: (858)485-8100 Fax: (858)485-0812

Service ID #: 801-014536
Collected by:
Collected on: 07/05/01

Received: 07/05/01
Extracted: N/A
Tested: 07/05-09/01
Reported: 07/23/01

Sample Description:
Project Description: 00HW019 JPL

Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result ER-18 01-04536-1	MW-18-2 01-04536-2	MW-18-3 01-04536-3
Perchlorate	E314	µg/L	4	<4	<4	<4
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01	<0.01
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	<0.5	<0.5	1.8
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	2.9	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result ER-18 01-04536-1	MW-18-2 01-04536-2	MW-18-3 01-04536-3
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	2.9	<0.5	<0.5
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Hexachlorobutadiene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Isopropylbenzene (Cumene)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
p-Isopropyltoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Methylene chloride	524.2	µg/L	1	<1	<1	<1
Methyl-t-Butyl ether (MTBE)	524.2	µg/L	1	<1	<1	<1
Naphthalene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Propylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Styrene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Tetrachloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Toluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Trichloroethene	524.2	µg/L	0.5	20.6	0.8	0.4J
Trichlorofluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,3-Trichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2,4-Trimethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3,5-Trimethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Vinyl chloride	524.2	µg/L	0.5	<0.5	<0.5	<0.5
o-Xylene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
m/p-Xylene	524.2	µg/L	0.5	<0.5	<0.5	<0.5

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result MW-18-4 01-04536-4	MW-18-5 01-04536-5	Trip Blank 01-04536-6
Perchlorate	E314	µg/L	4	25	<4	-
Chromium (VI)	7196	mg/L	0.01	<0.01	<0.01	-
Volatile Organic Compounds						
Dilution Factor				1	1	1
Benzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromochloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromodichloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromoform	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Bromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
n-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
sec-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
tert-Butylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Carbon tetrachloride	524.2	µg/L	0.5	3.7	<0.5	<0.5
Chlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chlorodibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Chloroform	524.2	µg/L	0.5	0.7	<0.5	<0.5
Chloromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
4-Chlorotoluene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromo-3-chloropropane (DB	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dibromoethane (EDB)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dibromomethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total)	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,3-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
2,2-Dichloropropane	524.2	µg/L	0.5	<0.5	<0.5	<0.5
1,1-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropene	524.2	µg/L	0.5	<0.5	<0.5	<0.5
Ethylbenzene	524.2	µg/L	0.5	<0.5	<0.5	<0.5