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May 24, 2001

Mr. William F. Lowe
RCRA Corrective Action & Permits Branch
Air, RCRA and Toxics Division
U.S. Environmental Protection Agency
Region VII
901 North 5th Street
Kansas City, Kansas 66101

Re: Data Transmittal
Safety-Kleen (Wichita), Inc. Facility
2549 North New York Avenue
Wichita, Kansas 67219
EPA Identification No. KSD007246846

Dear Mr. Lowe:

The purpose of this letter is to transmit recent data collected from the Safety-Kleen (Wichita), Inc. (SKW) facility in Wichita, Kansas.

Another round of groundwater quality data and gauging data were collected on April 24 and 25, 2001. We also conducted surface water sampling from the East Fork of Chisolm Creek and groundwater samples collected from the facility and the Union Pacific Railroad (UPRR) property located upgradient of the SKW site.

Enclosed are the following items:

1. The raw analytical data from STL Laboratory in Denver, Colorado;
2. A summary table of the groundwater data;
3. Figures of the interpreted groundwater elevation contour map, posted volatile organic compounds (VOCs) detections on the site and UPRR's property, and the surface water sampling points with VOC detections posted.

R00182130
RCRA RECORDS CENTER

SAFETY-KLEEN
5777 CENTRAL AVENUE, SUITE 100 BOULDER, COLORADO 80301 303/938-5500 FAX 303/938-5520

If you have any questions please contact Ms. Tauscher at (303) 938-5535.

Sincerely,

Kay L. Tauscher

Kay L. Tauscher, C.P.G.
Project Manager

Kenneth U. Stoer

Brian Martinek, P.G. for
Senior Project Manager

Attachment

Cc: Ms. Christine R. Jump, KDHE
Mr. Geoff Jones, S-K, Columbia, SC
Mr. John Arbuthnot, S-K, Baton Rouge, LA
Mr. Ron Robertson, S-K, Wichita, KS

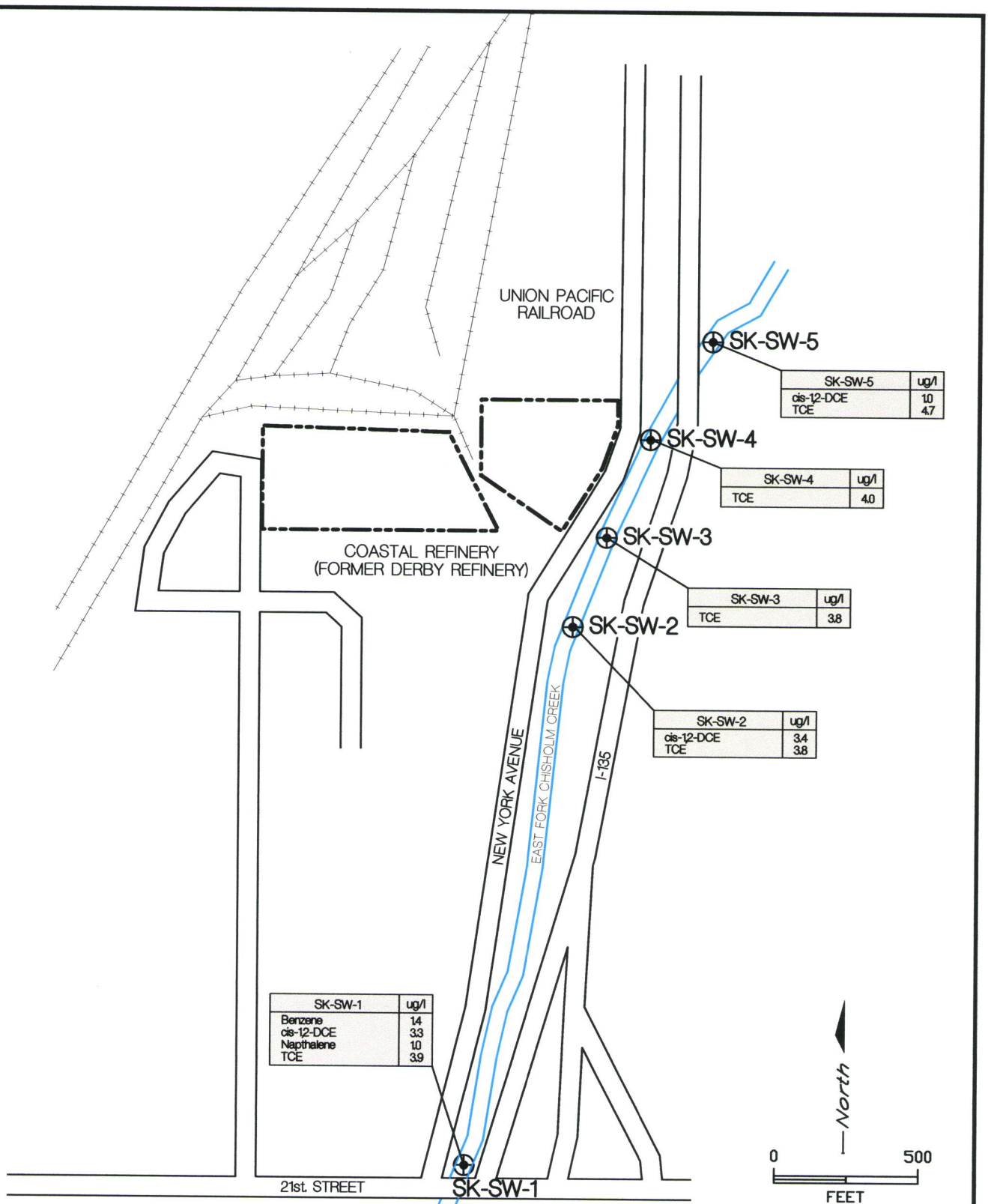

FIGURE 2

LEGEND

APPROXIMATE SAFETY-KLEEN FACILITY LOCATION

PROPOSED SURFACE WATER SAMPLE LOCATION

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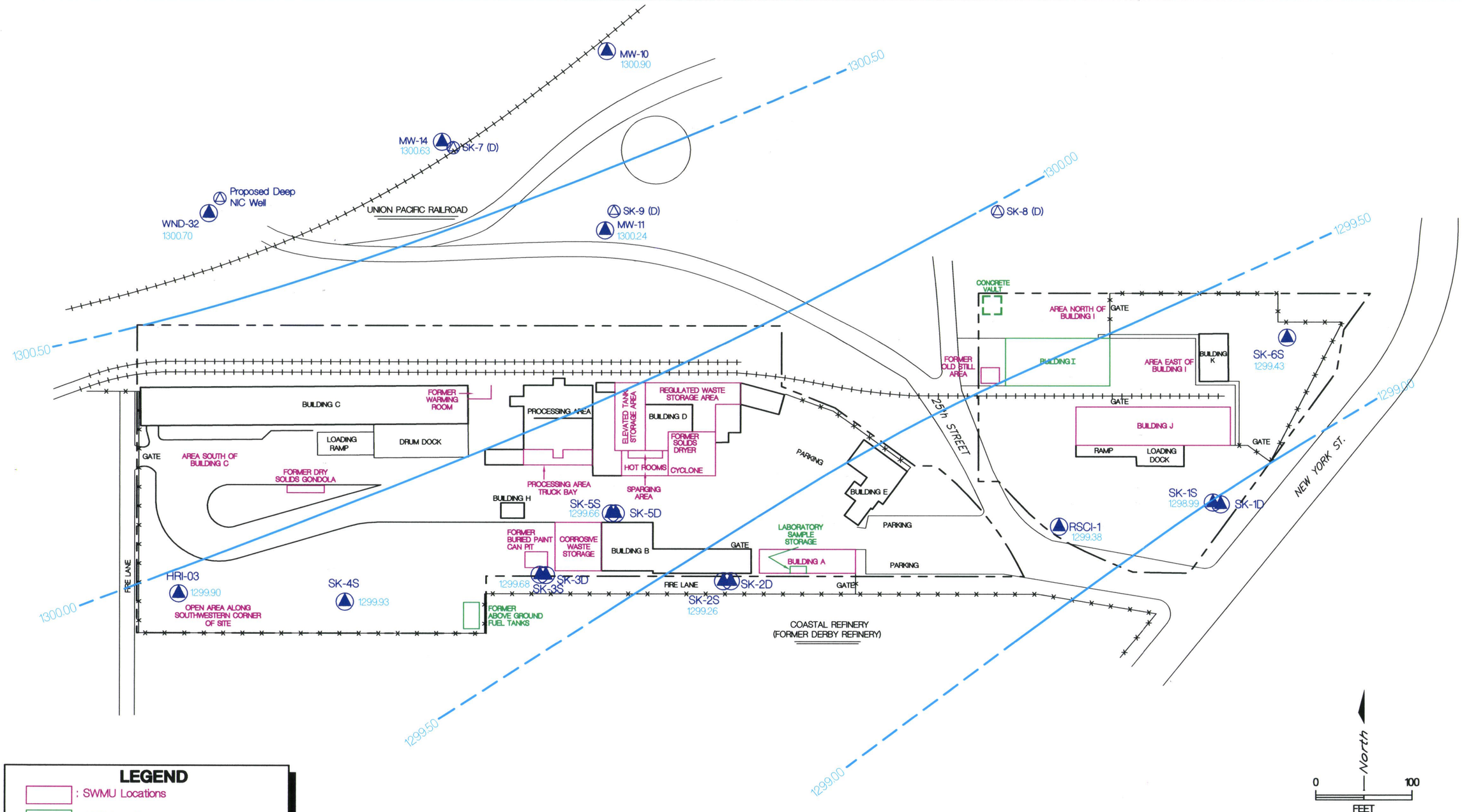
SAFETY-KLEEN (WICHITA) FACILITY

SURFACE WATER SAMPLE LOCATIONS WITH VOC CONCENTRATIONS (4/25/01) WICHITA, KANSAS

SCALE: 1" = 500'

DATE: 5-23-01

963231-0034



LEGEND

- : SWMU Locations
- : AOC Locations
- EXISTING MONITORING WELL LOCATIONS
- PROPOSED MONITORING WELLS
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- 1300.70 GROUNDWATER ELEVATION (FT./MSL)

NOTE: SURVEYED TO STATE PLANE COORDINATE SYSTEM

FIGURE 1

	BY	DATE
DRAWN	CJJ	5-24-01
CHECKED		
APPROVED		
APPROVED		
APPROVED		

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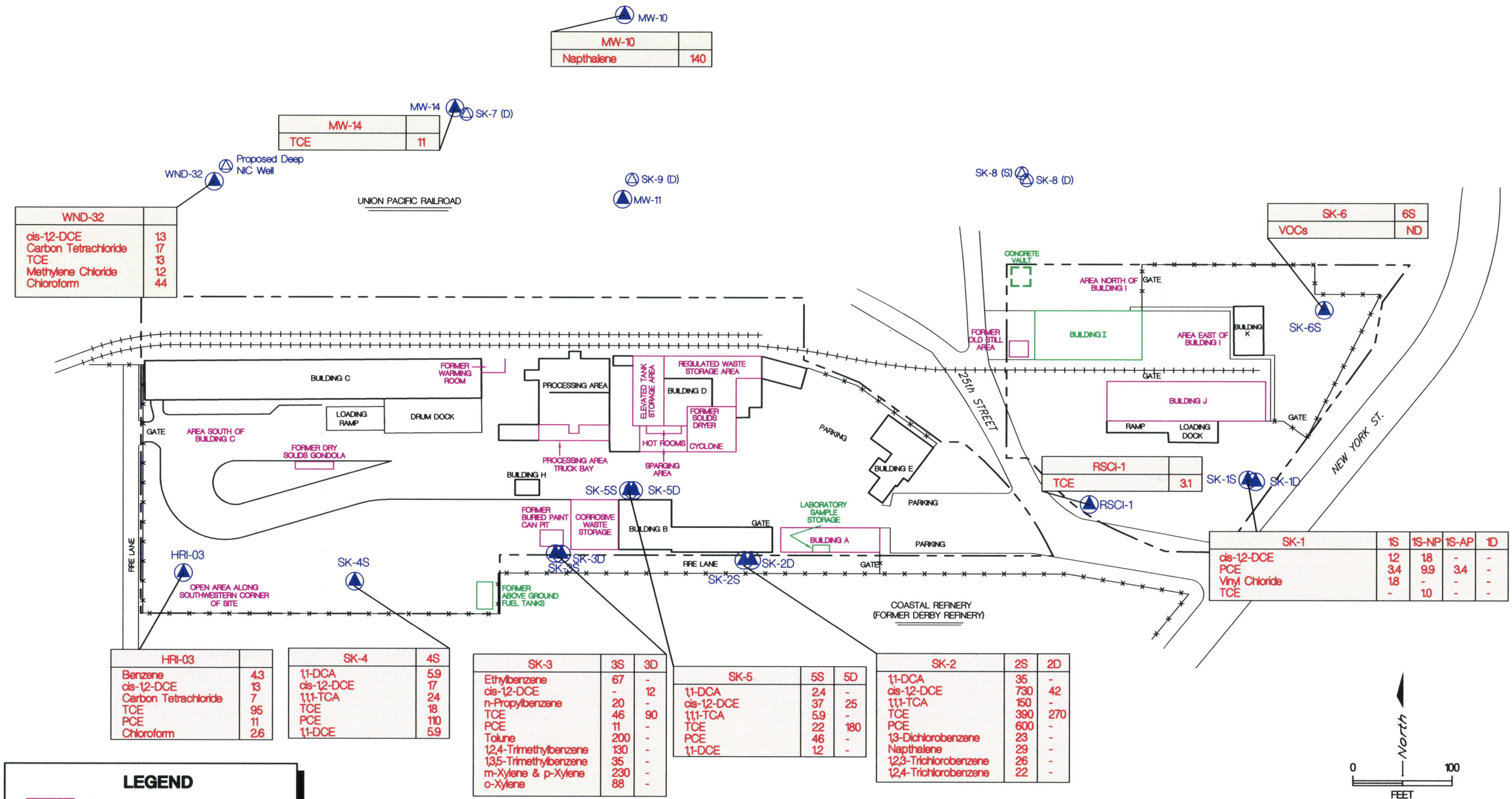
SAFETY-KLEEN - (WICHITA) FACILITY

CONTOURED GROUNDWATER ELEVATION MAP
APRIL 25, 2001

SCALE: 1" = 100'

DWG. NO: 963231-0036



MW-10	
Napthalene	140

MW-14	
TCE	11

WND-32	
cis-1,2-DCE	13
Carbon Tetrachloride	17
TCE	13
Methylene Chloride	12
Chloroform	44

SK-6	6S
VOCs	ND

RSCI-1	
TCE	3.1

SK-1	1S	1S-NP	1S-AP	1D
cis-1,2-DCE	1.2	1.8	-	-
PCE	3.4	9.9	3.4	-
Vinyl Chloride	1.8	-	-	-
TCE	-	1.0	-	-

HRI-03	
Benzene	4.3
cis-1,2-DCE	13
Carbon Tetrachloride	7
TCE	95
PCE	11
Chloroform	2.6

SK-4	4S
1,1-DCA	5.9
cis-1,2-DCE	17
1,1,1-TCA	2.4
TCE	18
PCE	110
1,1-DCE	5.9

SK-3	3S	3D
Ethylbenzene	67	-
cis-1,2-DCE	-	12
n-Propylbenzene	20	-
TCE	46	90
PCE	11	-
Toluene	200	-
1,2,4-Trimethylbenzene	130	-
1,3,5-Trimethylbenzene	35	-
m-Xylene & p-Xylene	230	-
o-Xylene	88	-

SK-5	5S	5D
1,1-DCA	2.4	-
cis-1,2-DCE	37	25
1,1,1-TCA	5.9	-
TCE	22	180
PCE	46	-
1,1-DCE	1.2	-

SK-2	2S	2D
1,1-DCA	35	-
cis-1,2-DCE	730	4.2
1,1,1-TCA	150	-
TCE	390	270
PCE	600	-
1,3-Dichlorobenzene	23	-
Napthalene	29	-
1,2,3-Trichlorobenzene	26	-
1,2,4-Trichlorobenzene	22	-

NOTE: SURVEYED TO STATE PLANE COORDINATE SYSTEM

LEGEND

- : SWMU Locations
- : AOC Locations
- EXISTING MONITORING WELL LOCATIONS
- PROPOSED MONITORING WELLS

NOTES: Sample 1S-NP is a discrete interval sample collected before purging the well at 18.5 feet below ground surface (bgs).

Sample 1S-AP is a discrete sample collected after purging the well at 18.5 feet below ground surface (bgs).

	BY	DATE
DRAWN	CJJ	5-22-01
CHECKED		
APPROVED		
APPROVED		
APPROVED		

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FIGURE 3

SAFETY-KLEEN - (WICHITA) FACILITY

GROUNDWATER VOC CONCENTRATIONS (ug/l)
APRIL 25, 2001

SCALE: 1" = 100'

DWG. NO: 963231-0035

Table 1
Groundwater Analytical Results for Volatile Organic Compounds
April 2001
Safety-Kleen Wichita, Kansas Facility

Parameter Name	Units	MCL's (ug/L)	PRG Footnotes	PRG Surrogate	Practical Quantitation Limit	SK-1S	SK-1S NP	SK-1S AP	SK-1D	SK-2S	SK-2D
Sample Date						Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01
Dilution Factor						1			1		
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/L	200	nc		< 1.0	-	-	-	-	150.0	-
1,1-Dichloroethane	ug/L	NA	nc		< 1.0	-	-	-	-	35.0	-
1,1-Dichloroethene	ug/L	7	ca		< 1.0	-	-	-	-	-	-
1,2,3-Trichlorobenzene	ug/L	NA	nc	1,2,4-Trichlorobenzene	< 1.0	-	-	-	-	26.0	-
1,2,4-Trichlorobenzene	ug/L	70	nc		< 1.0	-	-	-	-	22.0	-
1,2,4-Trimethylbenzene	ug/L	NA	nc		< 1.0	-	-	-	-	-	-
1,3,5-Trimethylbenzene	ug/L	NA	nc		< 1.0	-	-	-	-	-	-
1,3-Dichlorobenzene	ug/L	NA	nc		< 1.0	-	-	-	-	23.0	-
Benzene	ug/L	5	ca		< 1.0	-	-	-	-	-	-
Carbon tetrachloride	ug/L	5	ca		< 1.0	-	-	-	-	-	-
Chloroform	ug/L	#100	ca		< 1.0	-	-	-	-	-	-
cis-1,2-Dichloroethene	ug/L	70	nc		< 1.0	1.2	1.8	-	-	730.0	42.0
Ethylbenzene	ug/L	700	nc		< 1.0	-	-	-	-	-	-
Methylene chloride	ug/L	NA	ca		< 1.0	-	-	-	-	-	-
m-Xylene & p-Xylene	ug/L	10000	nc		< 2.0	-	-	-	-	-	-
Naphthalene	ug/L	NA	nc		< 1.0	-	-	-	-	29.0	-
n-Propylbenzene	ug/L	NA	nc		< 1.0	-	-	-	-	-	-
o-Xylene	ug/L	10000	nc		< 1.0	-	-	-	-	-	-
Tetrachloroethene	ug/L	5	ca		< 1.0	3.4	9.9	3.4		600.0	-
Toluene	ug/L	1000	nc		< 1.0	-	-	-	-	-	-
Trichloroethene	ug/L	5	ca		< 1.0	-	1.0	-	-	390.0	270.0
Vinyl chloride	ug/L	2	ca		< 1.0	1.8	-	-	-	-	-

Notes:
PRG=Preliminary Remediation Goals
** = Estimated PRG based on using a different isomer as a surrogate, or Region 9 PRG (Bromobenzene only)
ca = Cancer PRG
nc = Non-cancer PRG
MCL = Maximum Contaminant Level (December 1999)
NA = Not available
"-" = Results were below reporting limits
= THM MCL = 100 ug/l for the sum of all trihalomethane compound concentrations
Analysis by USEPA SW-846 Method 8260B

Table 1
Groundwater Analytical Results for Volatile Organic Compounds
April 2001
Safety-Kleen Wichita, Kansas Facility

Parameter Name	SK-3S	SK-3D	SK-3Z (DUP)	SK-4S	SK-4Z (DUP)	SK-5S	SK-5D	SK-6S	SK-SW-1	SK-SW-2	SK-SW-3	SK-SW-5	RSCI-1	HRI-03	UPMW-10	UPMW-11	UPMW-14	WND-32
Sample Date	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01	Apr-01
Dilution Factor								1										
Volatile Organic Compounds																		
1,1,1-Trichloroethane	-	-	-	24.0	24.0	5.9	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	-	-	-	5.9	-	2.4	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	-	-	-	5.9	5.6	1.2	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	130.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	35.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-	-	1.4	-	-	-	-	4.3	-	-	-	-
Carbon tetrachloride	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	-	-	-	17.0
Chloroform	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	-	-	44.0
cis-1,2-Dichloroethene	-	12.0	13.0	17.0	-	37.0	25.0	-	3.3	3.4	-	1.0	-	13.0	-	-	-	1.3
Ethylbenzene	67.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2
m-Xylene & p-Xylene	230.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	1.0	-	-	-	-	-	140.0	-	-	-
n-Propylbenzene	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	88.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	11.0	-	2.0	110.0	98.0	46.0	-	-	-	-	-	-	-	11.0	-	-	-	-
Toluene	200.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	46.0	90.0	94.0	18.0	17.0	22.0	180.0	-	3.9	3.8	3.8	4.7	3.1	95.0	-	-	11.0	13.0
Vinyl chloride	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
PRG=Preliminary Remediation Goals
** = Estimated PRG based on using a different isome
ca = Cancer PRG
nc = Non-cancer PRG
MCL = Maximum Contaminant Level (December 199
NA = Not available
"-" = Results were below reporting limits
= THM MCL = 100 ug/l for the sum of all trihalomet
Analysis by USEPA SW-846 Method 8260B

Table 2
Groundwater Analytical Results for Inorganic Parameters
April 2001
Safety-Kleen Wichita, Kansas Facility

Parameter Name	Units	Method	Secondary Drinking Water Standards (mg/L)	Tap Water EPA Region IX PRGs (mg/L)	PRG Footnotes	SK-1S	SK-1D	SK-2S	SK-2D	SK-3S	SK-3D
Inorganics			+			**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**
Alkalinity, Bicarbonate	mg/L	310.1	N/A	N/A		289.0	274.0	428.0	321.0	308.0	265.0
Alkalinity, Total	mg/L	310.1	N/A	N/A		289.0	274.0	428.0	321.0	308.0	265.0
Ammonia as N	mg/L	350.1	N/A	10		-	-	0.1	-	0.1	-
Calcium (Dissolved)	mg/L	6010B	N/A	N/A		116.0	160.0	145.0	146.0	110.0	109.0
Chloride	mg/L	325.2	N/A	N/A		69.0	53.3	109.0	65.0	61.5	53.0
Ethane	ug/L	SOP-175	N/A	N/A		-	-	-	-	-	-
Iron (Dissolved)	mg/L	6010B	N/A	11	nc	-	-	-	-	1.4	-
Iron (Total)	mg/L	6010B	0.3	11	nc	**81.4**	**0.6**	**216.0**	4.7	**181.0**	**8.7**
Magnesium (Dissolved)	mg/L	6010B	N/A	N/A		45.5	62.8	36.9	58.3	39.3	41.2
Manganese	mg/L	6010B	0.05	0.88	nc	**1.7**	**0.1**	**7.3**	0.8	**2.5**	**0.5**
Manganese (Dissolved)	mg/L	6010B	0.05	0.88	nc	**0.9**	**0.1**	**3.0**	0.7	**1.0**	**0.4**
Methane	ug/L	SOP-175	N/A	N/A		50.0	0.7	200 E	9.9	11.0	0.7
Methane D	ug/L	SOP-175	N/A	N/A		-	-	160 D	-	-	-
Nitrogen, Nitrate	mg/L	353.2	10	N/A		1.2	2.0	-	3.2	4.8	6.7
Potassium (Dissolved)	mg/L	6010B	N/A	N/A		-	3.1	3.5	-	3.9	-
Sulfate	mg/L	375.4	250	N/A		**261.0**	**391.0**	138.0	316.0	183.0	195.0
Total Dissolved Solids	mg/L	160.1	500	N/A		**1230.0**	**944.0**	**1090.0**	972.0	**829.0**	**736.0**
Total Organic Carbon	mg/L	415.1	N/A	N/A		1.8	1.2	3.3	1.1	3.9	1.3

Parameter Name	SK-3Z (DUP)	SK-4S	SK-4Z (DUP)	SK-5S	SK-5D	SK-6S	RSCI-1	HRI-03	UPMW-10	UPMW-11	UPMW-14	WND-32
Inorganics	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**	**Apr-01**
Alkalinity, Bicarbonate	275.0	39.0	386.0	500.0	299.0	445.0	328.0	298.0	450.0	116.0	459.0	321.0
Alkalinity, Total	275.0	383.0	386.0	500.0	299.0	445.0	328.0	298.0	450.0	116.0	459.0	321.0
Ammonia as N	-	-	0.1	0.2	-	-	-	-	0.3	0.1	0.4	0.2
Calcium (Dissolved)	103.0	144.0	143.0	136.0	122.0	118.0	135.0	123.0	98.8	287.0	119.0	124.0
Chloride	53.4	32.0	32.3	136.0	54.8	77.4	77.9	60.7	53.3	6.7	51.1	108.0
Ethane	-	-	-	-	-	-	-	-	0.8	-	-	-
Iron (Dissolved)	-	-	-	1.2	-	-	-	0.3	1.2	-	6.8	-
Iron (Total)	**7.1**	**435.0**	**495.0**	**48.9**	**1.3**	**123.0**	**12.8**	**4.6**	**188.0**	**152.0**	**285.0**	**51.8**
Magnesium (Dissolved)	39.0	37.5	39.2	37.4	49.1	43.9	53.2	45.4	27.1	19.1	31.1	31.8
Manganese	**0.5**	**5.9**	**6.9**	**3.9**	**0.5**	**6.2**	**0.9**	**1.0**	**3.8**	**1.4**	**5.7**	**4.9**
Manganese (Dissolved)	**0.3**	**1.9**	**1.9**	**2.7**	**0.6**	**3.0**	**0.2**	**0.0**	**1.1**	-	**2.8**	**2.0**
Methane	0.6	3.3	3.4	210 E	1.2	9.8	0.9	0.8	520 E	1.4	420 E	3.0
Methane D	-	-	-	170 D	-	-	-	-	1300 D	-	850 D	-
Nitrogen, Nitrate	6.6	2.4	2.1	-	4.6	1.4	3.4	2.6	-	2.4	-	6.7
Potassium (Dissolved)	-	-	-	4.2	-	3.1	3.5	-	-	3.0	-	5.1
Sulfate	174.0	172.0	200.0	33.5	228.0	107.0	228.0	229.0	10.3	**741.0**	29.0	164.0
Total Dissolved Solids	**738.0**	**1040.0**	**970.0**	**928.0**	**878.0**	**1020.0**	**862.0**	**781.0**	**592.0**	313.0	488.0	**693.0**
Total Organic Carbon	1.4	5.9	4.0	2.9	1.4	2.7	2.0	3.9	14.6	10.9	12.9	7.4

Notes:
nc = Non-cancer PRG
N/A = None available
J = Value estimated due to quality control issues (see Data Validation discussion).
NR=Not Requested

SEVERN
TRENT
SERVICES

STL Denver
4955 Yarrow Street
Arvada, CO 80002-4517

Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

S-K WICHITA, KS.

Lot #: D1D250279

Kay Tauscher

Safety-Kleen Consulting
5777 Central Avenue, Suite 100
Boulder, CO 80301

SEVERN TRENT LABORATORIES, INC.

Kae E. Yoder
Project Manager

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MAY 25 2001
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May 10, 2001

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Table Of Contents

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Standard Deliverables *The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	147

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- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Hold Time Report**
- **Chain-of-Custody**

CASE NARRATIVE

Client Name: Safety-Kleen (Wichita)
Project Name:
Project Number:
Sample Delivery Group: D1D250279
Narrative Date: 05/10/01

Sample Receipt

- Twelve water samples, one Field Blank and two Trip Blanks, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on April 25, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 4.4°C and 3.1°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles, Dissolved Gases, Total Metals, Dissolved Metals and General Chemistry parameters.

- Sample SK-1S, requesting Dissolved Metals analysis, was received at the laboratory improperly preserved. The client was notified and instructed the laboratory to adjust the pH and proceed with analysis. No other anomalies were encountered during sample receipt.

- The Dissolved Gases analyses presented in this report were performed at the STL Austin facility.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
SK-3S	Ethylbenzene	67	10	ug/L
	n-Propylbenzene	20	10	ug/L
	Tetrachloroethene	11	10	ug/L
	Toluene	200	10	ug/L
	Trichloroethene	46	10	ug/L
	1,2,4-Trimethylbenzene	130	10	ug/L
	1,3,5-Trimethylbenzene	35	10	ug/L
	m-Xylene & p-Xylene	230	20	ug/L
	o-Xylene	88	10	ug/L
SK-2D	cis-1,2-Dichloroethene	42	20	ug/L
	Trichloroethene	270	20	ug/L
SK-2S	1,1-Dichloroethane	35	20	ug/L
	cis-1,2-Dichloroethene	730	20	ug/L
	1,3-Dichlorobenzene	23	20	ug/L
	Naphthalene	29	20	ug/L
	Tetrachloroethene	600	20	ug/L
	1,2,3-Trichlorobenzene	26	20	ug/L
	1,2,4-Trichlorobenzene	22	20	ug/L
	1,1,1-Trichloroethane	150	20	ug/L
	Trichloroethene	390	20	ug/L
SK-5S	1,1-Dichloroethane	2.4	1.0	ug/L
	cis-1,2-Dichloroethene	37	1.0	ug/L
	1,1-Dichloroethene	1.2	1.0	ug/L
	Tetrachloroethene	46	1.0	ug/L
	1,1,1-Trichloroethane	5.9	1.0	ug/L
	Trichloroethene	22	1.0	ug/L
SK-5D	cis-1,2-Dichloroethene	25	5.0	ug/L
	Trichloroethene	180	5.0	ug/L

Sample ID	Parameter	Detection	RL	Units
SK-1S	cis-1,2-Dichloroethene	1.2	1.0	ug/L
	Tetrachloroethene	3.4	1.0	ug/L
	Vinyl chloride	1.8	1.0	ug/L
SK-1S NP 18.5	cis-1,2-Dichloroethene	1.8	1.0	ug/L
	Tetrachloroethene	9.9	1.0	ug/L
	Trichloroethene	1.0	1.0	ug/L
SK-1S AP 18.5	Tetrachloroethene	3.4	1.0	ug/L
SK-3Z	cis-1,2-Dichloroethene	13	2.0	ug/L
	Tetrachloroethene	2.0	2.0	ug/L
	Trichloroethene	94	2.0	ug/L
SK-3D	cis-1,2-Dichloroethene	12	4.0	ug/L
	Trichloroethene	90	4.0	ug/L
TRIP BLANK	Methylene chloride	1.5	1.0	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.

- Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to high target constituent concentration, samples were analyzed at a dilution. For diluted samples, the reporting limits have been adjusted relative to the dilution required. The following table details associated dilutions.

Sample ID	Dilution
SK-3S	1:10
SK-2D	1:20
SK-2S	1:20
SK-5D	1:5
SK-3Z	1:2
SK-3D	1:4

Methane

- Sample analysis did not reveal any detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
SK-3S	Methane	11	0.50	ug/L
SK-2D	Methane	9.9	0.50	ug/L
SK-2S	Methane	200 E	0.50	ug/L
SK-2S RE	Methane	160 D	3.0	ug/L
SK-5S	Methane	210 E	0.50	ug/L
SK-5S RE	Methane	170 D	3.0	ug/L
SK-5D	Methane	1.2	0.50	ug/L
SK-1S	Methane	50	0.50	ug/L
SK-1D	Methane	0.74	0.50	ug/L
SK-6S	Methane	9.8	0.50	ug/L
SK-3Z	Methane	0.61	0.50	ug/L
SK-3D	Methane	0.73	0.50	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.

- Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. Samples SK-2S and SK-5S contained Methane at concentrations that were above the instruments linear calibration curve. The results in the analytical report have been flagged with an "E", as these are estimated results. The samples were reanalyzed with the necessary dilution. The reporting limits have been adjusted relative to the dilutions required and the results have been flagged with a "D", as these results were obtained from the analysis of a dilution. Both the original and reanalysis data have been provided. The following table details the associated dilutions.

Sample ID	Dilution
SK-2S RE	1:6
SK-5S RE	1:6

- Client specific MS/MSD was performed on sample SK-3S. All spike parameters were within QC control limits with the exception of the items noted in the following table. Precision and accuracy have been verified by the acceptable LCS/LCSD analysis data; therefore, corrective action is deemed unnecessary.

Parameter	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Ethene	103	102	69-102	1.2	0-15

Total and Dissolved Metals

- Sample analysis did not reveal any detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Element	Detection	RL	Units
SK-3S	Total Iron	181	0.10	mg/L
	Total Manganese	2.5	0.010	mg/L
	Dissolved Calcium	110	0.20	mg/L
	Dissolved Iron	1.4	0.10	mg/L
	Dissolved Magnesium	39.3	0.20	mg/L
	Dissolved Manganese	1.0	0.010	mg/L
	Dissolved Potassium	3.9	3.0	mg/L
SK-2D	Total Iron	4.7	0.10	mg/L
	Total Manganese	0.80	0.010	mg/L
	Dissolved Calcium	146	0.20	mg/L
	Dissolved Magnesium	58.3	0.20	mg/L
	Dissolved Manganese	0.65	0.010	mg/L
SK-2S	Total Iron	216	0.10	mg/L
	Total Manganese	7.3	0.010	mg/L
	Dissolved Calcium	145	0.20	mg/L
	Dissolved Potassium	3.5	3.0	mg/L
	Dissolved Magnesium	36.9	0.20	mg/L
	Dissolved Manganese	3.0	0.010	mg/L
SK-5S	Total Iron	48.9	0.10	mg/L
	Total Manganese	3.9	0.010	mg/L
	Dissolved Calcium	136	0.20	mg/L
	Dissolved Iron	1.2	0.10	mg/L
	Dissolved Potassium	4.2	3.0	mg/L
	Dissolved Magnesium	37.4	0.20	mg/L
	Dissolved Manganese	2.7	0.010	mg/L
SK-5D	Total Iron	1.3	0.10	mg/L
	Total Manganese	0.51	0.010	mg/L

Sample ID	Element	Detection	RL	Units
SK-5D	Dissolved Calcium	122	0.20	mg/L
	Dissolved Magnesium	49.1	0.20	mg/L
	Dissolved Manganese	0.58	0.010	mg/L
SK-1S	Total Iron	81.4	0.10	mg/L
	Total Manganese	1.7	0.010	mg/L
	Dissolved Calcium	116	0.20	mg/L
	Dissolved Magnesium	45.5	0.20	mg/L
	Dissolved Manganese	0.88	0.010	mg/L
SK-1D	Total Iron	0.64	0.10	mg/L
	Total Manganese	0.073	0.010	mg/L
	Dissolved Calcium	160	0.20	mg/L
	Dissolved Potassium	3.1	3.0	mg/L
	Dissolved Magnesium	62.8	0.20	mg/L
	Dissolved Manganese	0.057	0.010	mg/L
SK-6S	Total Iron	123	0.10	mg/L
	Total Manganese	6.2	0.010	mg/L
	Dissolved Calcium	118	0.20	mg/L
	Dissolved Potassium	3.1	3.0	mg/L
	Dissolved Magnesium	43.9	0.20	mg/L
	Dissolved Manganese	3.0	0.010	mg/L
SK-3Z	Total Iron	7.1	0.10	mg/L
	Total Manganese	0.49	0.010	mg/L
	Dissolved Calcium	103	0.20	mg/L
	Dissolved Magnesium	39.0	0.20	mg/L
	Dissolved Manganese	0.34	0.010	mg/L
SK-3D	Total Iron	8.7	0.10	mg/L
	Total Manganese	0.52	0.010	mg/L
	Dissolved Calcium	109	0.20	mg/L
	Dissolved Magnesium	41.2	0.20	mg/L
	Dissolved Manganese	0.36	0.010	mg/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.

- Client specific, as well as, standard batch MS/MSD has been provided. All spike parameters were within QC control limits with the exception of the items noted in the following table. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Element	QC Batch/ Specific Sample	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Dissolved Manganese	SK-3S	85	96	89-114	3.6	0-20

General Chemistry

- Sample analysis did not reveal any detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table. In addition, each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the methods. In some cases, due to interferences or analytes present above the linear calibration curve, analyses were performed at a dilution. For diluted analyses, results have been flagged accordingly, and the reporting limits have been adjusted relative to the dilution required. Associated dilutions are also detailed in the following table.

Q = The reporting limit is elevated due to high analyte levels.
G = The reporting limit is elevated due to matrix interferences.

Sample ID	Parameter	Detection	Dilution	RL	Units
SK-3S	Ammonia Nitrogen	0.12	1	0.10	mg/L
	Bicarbonate Alkalinity	308	1	5.0	mg/L
	Chloride	61.5	1	2.5	mg/L
	Nitrate-Nitrite	4.8	1	0.10	mg/L
	Sulfate	183 Q	1:5	25.0	mg/L
	Total Alkalinity	308	1	5.0	mg/L
	Total Dissolved Solids	829	1	10.0	mg/L
	Total Organic Carbon	3.9	1	1.0	mg/L
SK-2D	Bicarbonate Alkalinity	321	1	5.0	mg/L
	Chloride	65.0	1	2.5	mg/L
	Nitrate-Nitrite	3.2	1	0.10	mg/L
	Sulfate	316 Q	1:10	50.0	mg/L
	Total Alkalinity	321	1	5.0	mg/L
	Total Dissolved Solids	972	1	10.0	mg/L
	Total Organic Carbon	1.1	1	1.0	mg/L
SK-2S	Ammonia Nitrogen	0.11	1	0.10	mg/L
	Bicarbonate Alkalinity	428	1	5.0	mg/L
	Chloride	109	1	2.5	mg/L
	Sulfate	138 Q	1:5	25.0	mg/L
	Total Alkalinity	428	1	5.0	mg/L
	Total Dissolved Solids	1090 G	1:4	40.0	mg/L
	Total Organic Carbon	3.3	1	1.0	mg/L
SK-5S	Ammonia Nitrogen	0.18	1	0.10	mg/L
	Bicarbonate Alkalinity	500	1	5.0	mg/L
	Chloride	136	1	2.5	mg/L
	Sulfate	33.5	1	5.0	mg/L
	Total Alkalinity	500	1	5.0	mg/L
	Total Dissolved Solids	928 G	1:4	40.0	mg/L
	Total Organic Carbon	2.9	1	1.0	mg/L
SK-5D	Bicarbonate Alkalinity	299	1	5.0	mg/L
	Chloride	54.8	1	2.5	mg/L
	Nitrate-Nitrite	4.6	1	0.10	mg/L
	Sulfate	228 Q	1:10	50.0	mg/L
	Total Alkalinity	299	1	5.0	mg/L
	Total Dissolved Solids	878	1	10.0	mg/L
	Total Organic Carbon	1.4	1	1.0	mg/L
SK-1S	Bicarbonate Alkalinity	289	1	5.0	mg/L
	Chloride	69.0	1	2.5	mg/L
	Nitrate-Nitrite	1.2	1	0.10	mg/L
	Sulfate	261 Q	1:10	50.0	mg/L
	Total Alkalinity	289	1	5.0	mg/L
	Total Dissolved Solids	1230 G	1:4	40.0	mg/L
	Total Organic Carbon	1.8	1	1.0	mg/L
SK-1D	Bicarbonate Alkalinity	274	1	5.0	mg/L
	Chloride	53.3	1	2.5	mg/L
	Nitrate-Nitrite	2.0	1	0.10	mg/L
	Sulfate	391 Q	1:10	50.0	mg/L
	Total Alkalinity	274	1	5.0	mg/L

Sample ID	Parameter	Detection	Dilution	RL	Units
SK-1D	Total Dissolved Solids	944	1	10.0	mg/L
	Total Organic Carbon	1.2	1	1.0	mg/L
SK-6S	Bicarbonate Alkalinity	445	1	5.0	mg/L
	Chloride	77.4	1	2.5	mg/L
	Nitrate-Nitrite	1.4	1	0.10	mg/L
	Sulfate	107 Q	1:5	25.0	mg/L
	Total Alkalinity	445	1	5.0	mg/L
	Total Dissolved Solids	1020 G	1:2	20.0	mg/L
	Total Organic Carbon	2.7	1	1.0	mg/L
SK-3Z	Bicarbonate Alkalinity	275	1	5.0	mg/L
	Chloride	53.4	1	2.5	mg/L
	Nitrate-Nitrite	6.6	1	0.10	mg/L
	Sulfate	174 Q	1:5	25.0	mg/L
	Total Alkalinity	275	1	5.0	mg/L
	Total Dissolved Solids	738	1	10.0	mg/L
	Total Organic Carbon	1.4	1	1.0	mg/L
SK-3D	Bicarbonate Alkalinity	265	1	5.0	mg/L
	Chloride	53.0	1	2.5	mg/L
	Nitrate-Nitrite	6.7	1	0.10	mg/L
	Sulfate	195 Q	1:5	25.0	mg/L
	Total Alkalinity	265	1	5.0	mg/L
	Total Dissolved Solids	736	1	10.0	mg/L
	Total Organic Carbon	1.3	1	1.0	mg/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.

- Please note that the Total Organic Carbon MS/MSD associated with QC batch 1122349 also supports QC batch 1122350.

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.

Kae E. Yoder
Project Manager

5/10/01
Date

EXECUTIVE SUMMARY - Detection Highlights

D1D250279

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-3S 04/24/01 16:00 001				
Methane	11	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	110	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	1.4	0.10	mg/L	SW846 6010B
Magnesium - DISSOLVED	39.3	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	1.0	0.010	mg/L	SW846 6010B
Potassium - DISSOLVED	3.9	3.0	mg/L	SW846 6010B
Iron	181	0.10	mg/L	SW846 6010B
Manganese	2.5	0.010	mg/L	SW846 6010B
Ethylbenzene	67	10	ug/L	SW846 8260B
n-Propylbenzene	20	10	ug/L	SW846 8260B
Tetrachloroethene	11	10	ug/L	SW846 8260B
Toluene	200	10	ug/L	SW846 8260B
Trichloroethene	46	10	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	130	10	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	35	10	ug/L	SW846 8260B
m-Xylene & p-Xylene	230	20	ug/L	SW846 8260B
o-Xylene	88	10	ug/L	SW846 8260B
Total Dissolved Solids	829	10.0	mg/L	MCAWW 160.1
Chloride	61.5	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	4.8	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	3.9	1.0	mg/L	MCAWW 415.1
Sulfate	183 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	308	5.0	mg/L	MCAWW 310.1
Total Alkalinity	308	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.12	0.10	mg/L	MCAWW 350.1
SK-2D 04/24/01 14:55 002				
Methane	9.9	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	146	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	58.3	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.65	0.010	mg/L	SW846 6010B
Iron	4.7	0.10	mg/L	SW846 6010B
Manganese	0.80	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	42	20	ug/L	SW846 8260B
Trichloroethene	270	20	ug/L	SW846 8260B
Total Dissolved Solids	972	10.0	mg/L	MCAWW 160.1
Chloride	65.0	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	3.2	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	1.1	1.0	mg/L	MCAWW 415.1

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EXECUTIVE SUMMARY - Detection Highlights

D1D250279

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-2D 04/24/01 14:55 002				
Sulfate	316 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	321	5.0	mg/L	MCAWW 310.1
Total Alkalinity	321	5.0	mg/L	MCAWW 310.1
SK-2S 04/24/01 14:35 003				
Methane	200 E	0.50	ug/L	RSK SOP-175
Methane	160 D	3.0	ug/L	RSK SOP-175
Calcium - DISSOLVED	145	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.5	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	36.9	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	3.0	0.010	mg/L	SW846 6010B
Iron	216	0.10	mg/L	SW846 6010B
Manganese	7.3	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	35	20	ug/L	SW846 8260B
cis-1,2-Dichloroethene	730	20	ug/L	SW846 8260B
1,3-Dichlorobenzene	23	20	ug/L	SW846 8260B
Naphthalene	29	20	ug/L	SW846 8260B
Tetrachloroethene	600	20	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	26	20	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	22	20	ug/L	SW846 8260B
1,1,1-Trichloroethane	150	20	ug/L	SW846 8260B
Trichloroethene	390	20	ug/L	SW846 8260B
Total Dissolved Solids	1090 G	40.0	mg/L	MCAWW 160.1
Chloride	109	2.5	mg/L	MCAWW 325.2
Total Organic Carbon	3.3	1.0	mg/L	MCAWW 415.1
Sulfate	138 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	428	5.0	mg/L	MCAWW 310.1
Total Alkalinity	428	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.11	0.10	mg/L	MCAWW 350.1
SK-5S 04/24/01 11:40 004				
Methane	210 E	0.50	ug/L	RSK SOP-175
Methane	170 D	3.0	ug/L	RSK SOP-175
Calcium - DISSOLVED	136	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	1.2	0.10	mg/L	SW846 6010B
Potassium - DISSOLVED	4.2	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	37.4	0.20	mg/L	SW846 6010B

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EXECUTIVE SUMMARY - Detection Highlights

D1D250279

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-5S 04/24/01 11:40 004				
Manganese - DISSOLVED	2.7	0.010	mg/L	SW846 6010B
Iron	48.9	0.10	mg/L	SW846 6010B
Manganese	3.9	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	2.4	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	37	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	1.2	1.0	ug/L	SW846 8260B
Tetrachloroethene	46	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	5.9	1.0	ug/L	SW846 8260B
Trichloroethene	22	1.0	ug/L	SW846 8260B
Total Dissolved Solids	928 G	40.0	mg/L	MCAWW 160.1
Chloride	136	2.5	mg/L	MCAWW 325.2
Total Organic Carbon	2.9	1.0	mg/L	MCAWW 415.1
Sulfate	33.5	5.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	500	5.0	mg/L	MCAWW 310.1
Total Alkalinity	500	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.18	0.10	mg/L	MCAWW 350.1
SK-5D 04/24/01 12:20 005				
Methane	1.2	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	122	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	49.1	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.58	0.010	mg/L	SW846 6010B
Iron	1.3	0.10	mg/L	SW846 6010B
Manganese	0.51	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	25	5.0	ug/L	SW846 8260B
Trichloroethene	180	5.0	ug/L	SW846 8260B
Total Dissolved Solids	878	10.0	mg/L	MCAWW 160.1
Chloride	54.8	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	4.6	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	1.4	1.0	mg/L	MCAWW 415.1
Sulfate	228 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	299	5.0	mg/L	MCAWW 310.1
Total Alkalinity	299	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

D1D250279

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-1S 04/24/01 08:20 007				
Methane	50	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	116	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	45.5	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.88	0.010	mg/L	SW846 6010B
Iron	81.4	0.10	mg/L	SW846 6010B
Manganese	1.7	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	1.2	1.0	ug/L	SW846 8260B
Tetrachloroethene	3.4	1.0	ug/L	SW846 8260B
Vinyl chloride	1.8	1.0	ug/L	SW846 8260B
Total Dissolved Solids	1230 G	40.0	mg/L	MCAWW 160.1
Chloride	69.0	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	1.2	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	1.8	1.0	mg/L	MCAWW 415.1
Sulfate	261 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	289	5.0	mg/L	MCAWW 310.1
Total Alkalinity	289	5.0	mg/L	MCAWW 310.1
SK-1S NP 18.5 04/23/01 14:28 008				
cis-1,2-Dichloroethene	1.8	1.0	ug/L	SW846 8260B
Tetrachloroethene	9.9	1.0	ug/L	SW846 8260B
Trichloroethene	1.0	1.0	ug/L	SW846 8260B
SK-1S AP 18.5 04/24/01 07:50 009				
Tetrachloroethene	3.4	1.0	ug/L	SW846 8260B
SK-1D 04/24/01 09:10 010				
Methane	0.74	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	160	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.1	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	62.8	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.057	0.010	mg/L	SW846 6010B
Iron	0.64	0.10	mg/L	SW846 6010B
Manganese	0.073	0.010	mg/L	SW846 6010B
Total Dissolved Solids	944	10.0	mg/L	MCAWW 160.1
Chloride	53.3	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	2.0	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	1.2	1.0	mg/L	MCAWW 415.1

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EXECUTIVE SUMMARY - Detection Highlights

D1D250279

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-1D 04/24/01 09:10 010				
Sulfate	391 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	274	5.0	mg/L	MCAWW 310.1
Total Alkalinity	274	5.0	mg/L	MCAWW 310.1
SK-6S 04/24/01 10:28 011				
Methane	9.8	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	118	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.1	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	43.9	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	3.0	0.010	mg/L	SW846 6010B
Iron	123	0.10	mg/L	SW846 6010B
Manganese	6.2	0.010	mg/L	SW846 6010B
Total Dissolved Solids	1020 G	20.0	mg/L	MCAWW 160.1
Chloride	77.4	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	1.4	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	2.7	1.0	mg/L	MCAWW 415.1
Sulfate	107 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	445	5.0	mg/L	MCAWW 310.1
Total Alkalinity	445	5.0	mg/L	MCAWW 310.1
SK-3Z 04/24/01 17:00 013				
Methane	0.61	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	103	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	39.0	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.34	0.010	mg/L	SW846 6010B
Iron	7.1	0.10	mg/L	SW846 6010B
Manganese	0.49	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	13	2.0	ug/L	SW846 8260B
Tetrachloroethene	2.0	2.0	ug/L	SW846 8260B
Trichloroethene	94	2.0	ug/L	SW846 8260B
Total Dissolved Solids	738	10.0	mg/L	MCAWW 160.1
Chloride	53.4	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	6.6	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	1.4	1.0	mg/L	MCAWW 415.1
Sulfate	174 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	275	5.0	mg/L	MCAWW 310.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D1D250279

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-3Z 04/24/01 17:00 013				
Total Alkalinity	275	5.0	mg/L	MCAWW 310.1
SK-3D 04/24/01 16:30 014				
Methane	0.73	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	109	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	41.2	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.36	0.010	mg/L	SW846 6010B
Iron	8.7	0.10	mg/L	SW846 6010B
Manganese	0.52	0.010	mg/L	SW846 6010B
cis-1,2-Dichloroethene	12	4.0	ug/L	SW846 8260B
Trichloroethene	90	4.0	ug/L	SW846 8260B
Total Dissolved Solids	736	10.0	mg/L	MCAWW 160.1
Chloride	53.0	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	6.7	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	1.3	1.0	mg/L	MCAWW 415.1
Sulfate	195 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	265	5.0	mg/L	MCAWW 310.1
Total Alkalinity	265	5.0	mg/L	MCAWW 310.1
TRIP BLANK 04/24/01 015				
Methylene chloride	1.5	1.0	ug/L	SW846 8260B

METHODS SUMMARY

D1D250279

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2	MCAWW 325.2
Dissolved Gases in Water	RSK SOP-175	EPA-9 RSK-175
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Sulfate	MCAWW 375.4	MCAWW 375.4
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D1D250279

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.1	Dave Elkin	000901
MCAWW 310.1	Ewa Kudla	001167
MCAWW 325.2	Maria Fayard	002596
MCAWW 350.1	Sara Agner	008534
MCAWW 353.2	Sara Agner	008534
MCAWW 375.4	Maria Fayard	002596
MCAWW 415.1	Sara Agner	008534
RSK SOP-175	Mark Shafer	001952
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Steve Mustain	006720
SW846 8260B	Mark McDaniel	000998
SW846 8260B	Mike Armstrong	002544
SW846 8260B	Steve Szocik	002410

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D1D250279

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ECC8D	001	SK-3S	04/24/01	16:00
ECC8J	002	SK-2D	04/24/01	14:55
ECC8K	003	SK-2S	04/24/01	14:35
ECC8M	004	SK-5S	04/24/01	11:40
ECC8R	005	SK-5D	04/24/01	12:20
ECC8W	006	TRIP BLANK	04/24/01	
ECC81	007	SK-1S	04/24/01	08:20
ECC86	008	SK-1S NP 18.5	04/23/01	14:28
ECC88	009	SK-1S AP 18.5	04/24/01	07:50
ECC89	010	SK-1D	04/24/01	09:10
ECC9A	011	SK-6S	04/24/01	10:28
ECC9C	012	FB-42401	04/24/01	07:45
ECC9D	013	SK-3Z	04/24/01	17:00
ECC9E	014	SK-3D	04/24/01	16:30
ECC9G	015	TRIP BLANK	04/24/01	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3S

GC/MS Volatiles

Lot-Sample #...: D1D250279-001 **Work Order #...:** ECC8D1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:00 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 17:27
Dilution Factor: 10

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	10	ug/L
Bromomethane	ND	20	ug/L
n-Butylbenzene	ND	10	ug/L
Bromobenzene	ND	10	ug/L
Bromochloromethane	ND	10	ug/L
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
sec-Butylbenzene	ND	10	ug/L
tert-Butylbenzene	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
Chlorodibromomethane	ND	10	ug/L
Chloroethane	ND	20	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	20	ug/L
2-Chlorotoluene	ND	10	ug/L
4-Chlorotoluene	ND	10	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L
Dibromomethane	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
Dichlorodifluoromethane	ND	20	ug/L
1,1-Dichloroethane	ND	10	ug/L
1,2-Dichloroethane	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	10	ug/L
cis-1,2-Dichloroethene	ND	10	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethene	ND	10	ug/L
1,2-Dichloropropane	ND	10	ug/L
1,3-Dichloropropane	ND	10	ug/L
2,2-Dichloropropane	ND	50	ug/L
1,1-Dichloropropene	ND	10	ug/L
Ethylbenzene	**67**	**10**	**ug/L**
Hexachlorobutadiene	ND	10	ug/L
Isopropylbenzene	ND	10	ug/L
p-Isopropyltoluene	ND	10	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-3S

GC/MS Volatiles

Lot-Sample #...: D1D250279-001 **Work Order #...:** ECC8D1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	10	ug/L
Naphthalene	ND	10	ug/L
n-Propylbenzene	**20**	**10**	**ug/L**
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	**11**	**10**	**ug/L**
Toluene	**200**	**10**	**ug/L**
1,2,3-Trichlorobenzene	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	**46**	**10**	**ug/L**
Trichlorofluoromethane	ND	20	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
1,2,4-Trimethylbenzene	**130**	**10**	**ug/L**
1,3,5-Trimethylbenzene	**35**	**10**	**ug/L**
Vinyl chloride	ND	10	ug/L
m-Xylene & p-Xylene	**230**	**20**	**ug/L**
o-Xylene	**88**	**10**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	86	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	103	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2D

GC/MS Volatiles

Lot-Sample #...: D1D250279-002 **Work Order #...:** ECC8J1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 14:55 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 17:53
Dilution Factor: 20

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	20	ug/L
Bromodichloromethane	ND	20	ug/L
Bromoform	ND	20	ug/L
Bromomethane	ND	40	ug/L
n-Butylbenzene	ND	20	ug/L
sec-Butylbenzene	ND	20	ug/L
Bromobenzene	ND	20	ug/L
Bromochloromethane	ND	20	ug/L
tert-Butylbenzene	ND	20	ug/L
Carbon tetrachloride	ND	20	ug/L
Chlorobenzene	ND	20	ug/L
Chlorodibromomethane	ND	20	ug/L
Chloroethane	ND	40	ug/L
2-Chlorotoluene	ND	20	ug/L
Dibromomethane	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
Chloroform	ND	20	ug/L
Chloromethane	ND	40	ug/L
4-Chlorotoluene	ND	20	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	40	ug/L
1,2-Dibromoethane (EDB)	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
Dichlorodifluoromethane	ND	40	ug/L
1,1-Dichloroethane	ND	20	ug/L
1,2-Dichloroethane	ND	20	ug/L
cis-1,2-Dichloroethene	**42**	**20**	**ug/L**
trans-1,2-Dichloroethene	ND	10	ug/L
1,1-Dichloroethene	ND	20	ug/L
2,2-Dichloropropane	ND	100	ug/L
1,1-Dichloropropene	ND	20	ug/L
Ethylbenzene	ND	20	ug/L
Methylene chloride	ND	20	ug/L
Naphthalene	ND	20	ug/L
n-Propylbenzene	ND	20	ug/L
1,2-Dichloropropane	ND	20	ug/L
1,3-Dichloropropane	ND	20	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-2D

GC/MS Volatiles

Lot-Sample #...: D1D250279-002 **Work Order #...:** ECC8J1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Hexachlorobutadiene	ND	20	ug/L
Isopropylbenzene	ND	20	ug/L
p-Isopropyltoluene	ND	20	ug/L
Styrene	ND	20	ug/L
1,1,1,2-Tetrachloroethane	ND	20	ug/L
1,1,2,2-Tetrachloroethane	ND	20	ug/L
Tetrachloroethene	ND	20	ug/L
Toluene	ND	20	ug/L
1,2,3-Trichlorobenzene	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	20	ug/L
1,1,1-Trichloroethane	ND	20	ug/L
1,1,2-Trichloroethane	ND	20	ug/L
Trichloroethene	**270**	**20**	**ug/L**
Trichlorofluoromethane	ND	40	ug/L
1,2,3-Trichloropropane	ND	20	ug/L
1,2,4-Trimethylbenzene	ND	20	ug/L
1,3,5-Trimethylbenzene	ND	20	ug/L
Vinyl chloride	ND	20	ug/L
m-Xylene & p-Xylene	ND	40	ug/L
o-Xylene	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(80 - 120)
1,2-Dichloroethane-d4	91	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
Toluene-d8	100	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2S

GC/MS Volatiles

Lot-Sample #...: D1D250279-003 **Work Order #...:** ECC8K1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 14:35 **Date Received..:** 04/25/01
Prep Date.....: 05/01/01 **Analysis Date..:** 05/01/01
Prep Batch #...: 1122191 **Analysis Time..:** 14:21
Dilution Factor: 20

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	20	ug/L
Bromobenzene	ND	20	ug/L
Bromochloromethane	ND	20	ug/L
Bromodichloromethane	ND	20	ug/L
Bromoform	ND	20	ug/L
Bromomethane	ND	40	ug/L
n-Butylbenzene	ND	20	ug/L
sec-Butylbenzene	ND	20	ug/L
tert-Butylbenzene	ND	20	ug/L
Carbon tetrachloride	ND	20	ug/L
Chlorobenzene	ND	20	ug/L
Chlorodibromomethane	ND	20	ug/L
Chloroethane	ND	40	ug/L
Chloroform	ND	20	ug/L
Chloromethane	ND	40	ug/L
2-Chlorotoluene	ND	20	ug/L
4-Chlorotoluene	ND	20	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	40	ug/L
1,2-Dibromoethane (EDB)	ND	20	ug/L
Dibromomethane	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
1,1-Dichloroethane	**35**	**20**	**ug/L**
1,2-Dichloroethane	ND	20	ug/L
cis-1,2-Dichloroethene	**730**	**20**	**ug/L**
1,3-Dichloropropane	ND	20	ug/L
2,2-Dichloropropane	ND	100	ug/L
1,1-Dichloropropene	ND	20	ug/L
p-Isopropyltoluene	ND	20	ug/L
Methylene chloride	ND	20	ug/L
1,3-Dichlorobenzene	**23**	**20**	**ug/L**
1,4-Dichlorobenzene	ND	20	ug/L
Dichlorodifluoromethane	ND	40	ug/L
trans-1,2-Dichloroethene	ND	10	ug/L
1,1-Dichloroethene	ND	20	ug/L
1,2-Dichloropropane	ND	20	ug/L
Ethylbenzene	ND	20	ug/L
Hexachlorobutadiene	ND	20	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-2S

GC/MS Volatiles

Lot-Sample #...: D1D250279-003 **Work Order #...:** ECC8K1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	20	ug/L
Naphthalene	**29**	**20**	**ug/L**
n-Propylbenzene	ND	20	ug/L
Styrene	ND	20	ug/L
1,1,1,2-Tetrachloroethane	ND	20	ug/L
1,1,2,2-Tetrachloroethane	ND	20	ug/L
Tetrachloroethene	**600**	**20**	**ug/L**
Toluene	ND	20	ug/L
1,2,3-Trichlorobenzene	**26**	**20**	**ug/L**
1,2,4-Trichloro-benzene	**22**	**20**	**ug/L**
1,1,1-Trichloroethane	**150**	**20**	**ug/L**
1,1,2-Trichloroethane	ND	20	ug/L
Trichloroethene	**390**	**20**	**ug/L**
Trichlorofluoromethane	ND	40	ug/L
1,2,3-Trichloropropane	ND	20	ug/L
m-Xylene & p-Xylene	ND	40	ug/L
o-Xylene	ND	20	ug/L
1,2,4-Trimethylbenzene	ND	20	ug/L
1,3,5-Trimethylbenzene	ND	20	ug/L
Vinyl chloride	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	113	(72 - 127)
4-Bromofluorobenzene	114	(79 - 119)
Toluene-d8	97	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5S

GC/MS Volatiles

Lot-Sample #...: D1D250279-004 **Work Order #...:** ECC8M1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 11:40 **Date Received..:** 04/25/01
Prep Date.....: 05/01/01 **Analysis Date..:** 05/01/01
Prep Batch #...: 1122191 **Analysis Time..:** 14:51
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	**2.4**	**1.0**	**ug/L**
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**37**	**1.0**	**ug/L**
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	**1.2**	**1.0**	**ug/L**
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-5S

GC/MS Volatiles

Lot-Sample #...: D1D250279-004 **Work Order #...:** ECC8M1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**46**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	**5.9**	**1.0**	**ug/L**
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**22**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	112	(72 - 127)
4-Bromofluorobenzene	118	(79 - 119)
Toluene-d8	97	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5D

GC/MS Volatiles

Lot-Sample #...: D1D250279-005 **Work Order #...:** ECC8R1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 12:20 **Date Received..:** 04/25/01
Prep Date.....: 05/01/01 **Analysis Date..:** 05/01/01
Prep Batch #...: 1122191 **Analysis Time..:** 15:19
Dilution Factor: 5

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	10	ug/L
n-Butylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chlorodibromomethane	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	10	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
cis-1,2-Dichloroethene	**25**	**5.0**	**ug/L**
trans-1,2-Dichloroethene	ND	2.5	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
2,2-Dichloropropane	ND	25	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-5D

GC/MS Volatiles

Lot-Sample #...: D1D250279-005 **Work Order #...:** ECC8R1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Styrene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Naphthalene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	**180**	**5.0**	**ug/L**
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
o-Xylene	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
1,2-Dichloroethane-d4	116	(72 - 127)
4-Bromofluorobenzene	116	(79 - 119)
Toluene-d8	96	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D1D250279-006 **Work Order #...:** ECC8W1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 19:36
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D1D250279-006 **Work Order #...:** ECC8W1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	87	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
Toluene-d8	103	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S

GC/MS Volatiles

Lot-Sample #...: D1D250279-007 **Work Order #...:** ECC811AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 08:20 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 20:02
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.2**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S

GC/MS Volatiles

Lot-Sample #...: D1D250279-007 **Work Order #...:** ECC811AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**3.4**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	**1.8**	**1.0**	**ug/L**
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(80 - 120)
1,2-Dichloroethane-d4	90	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
Toluene-d8	102	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S NP 18.5

GC/MS Volatiles

Lot-Sample #...: D1D250279-008 **Work Order #...:** ECC861AA **Matrix.....:** WATER
Date Sampled...: 04/23/01 14:28 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 20:27
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.8**	**1.0**	**ug/L**
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S NP 18.5

GC/MS Volatiles

Lot-Sample #...: D1D250279-008 **Work Order #...:** ECC861AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Tetrachloroethene	**9.9**	**1.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**1.0**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	94	(72 - 127)
4-Bromofluorobenzene	94	(79 - 119)
Toluene-d8	102	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S AP 18.5

GC/MS Volatiles

Lot-Sample #...: D1D250279-009 **Work Order #...:** ECC881AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 07:50 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 20:53
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S AP 18.5

GC/MS Volatiles

Lot-Sample #...: D1D250279-009 **Work Order #...:** ECC881AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	**3.4**	**1.0**	**ug/L**
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(80 - 120)
1,2-Dichloroethane-d4	88	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	102	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1D

GC/MS Volatiles

Lot-Sample #...: D1D250279-010 **Work Order #...:** ECC891AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 09:10 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121238 **Analysis Time..:** 16:19
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-1D

GC/MS Volatiles

Lot-Sample #...: D1D250279-010 **Work Order #...:** ECC891AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
1,2-Dichloroethane-d4	89	(72 - 127)
4-Bromofluorobenzene	106	(79 - 119)
Toluene-d8	85	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-6S

GC/MS Volatiles

Lot-Sample #...: D1D250279-011 **Work Order #...:** ECC9A1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 10:28 **Date Received..:** 04/25/01
Prep Date.....: 05/02/01 **Analysis Date..:** 05/02/01
Prep Batch #...: 1123440 **Analysis Time..:** 16:18
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-6S

GC/MS Volatiles

Lot-Sample #...: D1D250279-011 **Work Order #...:** ECC9A1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
n-Propylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(80 - 120)
1,2-Dichloroethane-d4	92	(72 - 127)
4-Bromofluorobenzene	104	(79 - 119)
Toluene-d8	113	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: FB-42401

GC/MS Volatiles

Lot-Sample #...: D1D250279-012 **Work Order #...:** ECC9C1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 07:45 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121238 **Analysis Time..:** 17:05
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: FB-42401

GC/MS Volatiles

Lot-Sample #...: D1D250279-012 **Work Order #...:** ECC9C1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
1,2-Dichloroethane-d4	96	(72 - 127)
4-Bromofluorobenzene	105	(79 - 119)
Toluene-d8	81	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3Z

GC/MS Volatiles

Lot-Sample #...: D1D250279-013 **Work Order #...:** ECC9D1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 17:00 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121238 **Analysis Time..:** 17:27
Dilution Factor: 2

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	2.0	ug/L
Bromobenzene	ND	2.0	ug/L
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	4.0	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
Chloromethane	ND	4.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L
1,4-Dichlorobenzene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
cis-1,2-Dichloroethene	**13**	**2.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	10	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropylbenzene	ND	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-3Z

GC/MS Volatiles

Lot-Sample #...: D1D250279-013 **Work Order #...:** ECC9D1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	2.0	ug/L
Naphthalene	ND	2.0	ug/L
n-Propylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	**2.0**	**2.0**	**ug/L**
Toluene	ND	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	**94**	**2.0**	**ug/L**
Trichlorofluoromethane	ND	4.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	2.0	ug/L
1,3,5-Trimethylbenzene	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
o-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	97	(72 - 127)
4-Bromofluorobenzene	110	(79 - 119)
Toluene-d8	83	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3D

GC/MS Volatiles

Lot-Sample #...: D1D250279-014 **Work Order #...:** ECC9E1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:30 **Date Received..:** 04/25/01
Prep Date.....: 05/02/01 **Analysis Date..:** 05/02/01
Prep Batch #...: 1123440 **Analysis Time..:** 16:44
Dilution Factor: 4

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	4.0	ug/L
Bromobenzene	ND	4.0	ug/L
Bromochloromethane	ND	4.0	ug/L
Bromomethane	ND	8.0	ug/L
n-Butylbenzene	ND	4.0	ug/L
sec-Butylbenzene	ND	4.0	ug/L
Bromodichloromethane	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
tert-Butylbenzene	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Chlorodibromomethane	ND	4.0	ug/L
Chloroethane	ND	8.0	ug/L
Chloroform	ND	4.0	ug/L
Chloromethane	ND	8.0	ug/L
2-Chlorotoluene	ND	4.0	ug/L
4-Chlorotoluene	ND	4.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	8.0	ug/L
1,2-Dibromoethane (EDB)	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
1,2-Dichlorobenzene	ND	4.0	ug/L
1,3-Dichlorobenzene	ND	4.0	ug/L
1,4-Dichlorobenzene	ND	4.0	ug/L
1,2-Dichloroethane	ND	4.0	ug/L
cis-1,2-Dichloroethene	**12**	**4.0**	**ug/L**
trans-1,2-Dichloroethene	ND	2.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
1,3-Dichloropropane	ND	4.0	ug/L
2,2-Dichloropropane	ND	20	ug/L
1,1-Dichloropropene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Dichlorodifluoromethane	ND	8.0	ug/L
1,1-Dichloroethane	ND	4.0	ug/L
Hexachlorobutadiene	ND	4.0	ug/L
Isopropylbenzene	ND	4.0	ug/L
p-Isopropyltoluene	ND	4.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-3D

GC/MS Volatiles

Lot-Sample #...: D1D250279-014 **Work Order #...:** ECC9E1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	4.0	ug/L
Naphthalene	ND	4.0	ug/L
n-Propylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Tetrachloroethene	ND	4.0	ug/L
Toluene	ND	4.0	ug/L
1,2,3-Trichlorobenzene	ND	4.0	ug/L
1,2,4-Trichloro-benzene	ND	4.0	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Trichloroethene	**90**	**4.0**	**ug/L**
Trichlorofluoromethane	ND	8.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
1,2,4-Trimethylbenzene	ND	4.0	ug/L
1,3,5-Trimethylbenzene	ND	4.0	ug/L
Vinyl chloride	ND	4.0	ug/L
m-Xylene & p-Xylene	ND	8.0	ug/L
o-Xylene	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(80 - 120)
1,2-Dichloroethane-d4	93	(72 - 127)
4-Bromofluorobenzene	107	(79 - 119)
Toluene-d8	115	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D1D250279-015 **Work Order #...:** ECC9G1AA **Matrix.....:** WATER
Date Sampled...: 04/24/01 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121238 **Analysis Time..:** 18:12
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	**1.5**	**1.0**	**ug/L**

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SAFETY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D1D250279-015 **Work Order #...:** ECC9G1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	109	(79 - 119)
Toluene-d8	82	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3S

GC Volatiles

Lot-Sample #...: D1D250279-001 **Work Order #...:** ECC8D1AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:00 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 15:14
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**11**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2D

GC Volatiles

Lot-Sample #...: D1D250279-002 **Work Order #...:** ECC8J1AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 14:55 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 15:20
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**9.9**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2S

GC Volatiles

Lot-Sample #...: D1D250279-003 **Work Order #...:** ECC8K1AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 14:35 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 15:27
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**200 E**	**0.50**	**ug/L**

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2S

GC Volatiles

Lot-Sample #...: D1D250279-003 **Work Order #...:** ECC8K2AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 14:35 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 15:35
Dilution Factor: 6

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	3.0	ug/L
Ethene	ND	3.0	ug/L
Methane	**160 D**	**3.0**	**ug/L**

NOTE(S):

D Result was obtained from the analysis of a dilution.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5S

GC Volatiles

Lot-Sample #...:	D1D250279-004	**Work Order #...:**	ECC8M1AC	**Matrix.....:**	WATER
Date Sampled...:	04/24/01 11:40	**Date Received..:**	04/25/01		
Prep Date.....:	05/07/01	**Analysis Date..:**	05/07/01		
Prep Batch #...:	1128322	**Analysis Time..:**	15:42		
Dilution Factor:	1				
		Method.....:	RSK SOP-175		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**210 E**	**0.50**	**ug/L**

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5S

GC Volatiles

Lot-Sample #...: D1D250279-004 **Work Order #...:** ECC8M2AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 11:40 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 15:53
Dilution Factor: 6

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	3.0	ug/L
Ethene	ND	3.0	ug/L
Methane	**170 D**	**3.0**	**ug/L**

NOTE(S):

D Result was obtained from the analysis of a dilution.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5D

GC Volatiles

Lot-Sample #...: D1D250279-005 **Work Order #...:** ECC8R1AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 12:20 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 16:00
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**1.2**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S

GC Volatiles

Lot-Sample #...: D1D250279-007 **Work Order #...:** ECC811AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 08:20 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 16:07
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**50**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1D

GC Volatiles

Lot-Sample #...: D1D250279-010 **Work Order #...:** ECC891AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 09:10 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 17:17
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**0.74**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-6S

GC Volatiles

Lot-Sample #...: D1D250279-011 **Work Order #...:** ECC9A1AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 10:28 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 17:23
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**9.8**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3Z

GC Volatiles

Lot-Sample #...: D1D250279-013 **Work Order #...:** ECC9D1AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 17:00 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 17:45
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**0.61**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3D

GC Volatiles

Lot-Sample #...: D1D250279-014 **Work Order #...:** ECC9E1AC **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:30 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 19:17
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**0.73**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3S

TOTAL Metals

Lot-Sample #...: D1D250279-001 **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:00 **Date Received..:** 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	**181**	**0.10**	**mg/L**	**SW846 6010B**	**05/04-05/09/01**	**ECC8D1AD**
		Dilution Factor: 1		Analysis Time..: 03:53		
Manganese	**2.5**	**0.010**	**mg/L**	**SW846 6010B**	**05/04/01**	**ECC8D1AE**
		Dilution Factor: 1		Analysis Time..: 20:13		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3S

DISSOLVED Metals

Lot-Sample #...: D1D250279-001 **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:00 **Date Received..:** 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	**110**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8D1AF**
		Dilution Factor: 1		Analysis Time..: 12:03		
Iron	**1.4**	**0.10**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8D1AG**
		Dilution Factor: 1		Analysis Time..: 12:03		
Magnesium	**39.3**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8D1AJ**
		Dilution Factor: 1		Analysis Time..: 12:03		
Manganese	**1.0**	**0.010**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8D1AK**
		Dilution Factor: 1		Analysis Time..: 12:03		
Potassium	**3.9**	**3.0**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8D1AH**
		Dilution Factor: 1		Analysis Time..: 12:03		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2D

TOTAL Metals

Lot-Sample #...: D1D250279-002 **Matrix.....:** WATER
Date Sampled...: 04/24/01 14:55 **Date Received..:** 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	**4.7**	**0.10**	**mg/L**	**SW846 6010B**	**05/04-05/09/01**	**ECC8J1AD**
		Dilution Factor: 1		Analysis Time..: 03:56		
Manganese	**0.80**	**0.010**	**mg/L**	**SW846 6010B**	**05/04/01**	**ECC8J1AE**
		Dilution Factor: 1		Analysis Time..: 20:17		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2D

DISSOLVED Metals

Lot-Sample #...: D1D250279-002 **Matrix.....:** WATER
Date Sampled...: 04/24/01 14:55 **Date Received..:** 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	**146**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8J1AF**
		Dilution Factor: 1		Analysis Time..: 12:19		
Iron	ND	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECC8J1AG
		Dilution Factor: 1		Analysis Time..: 12:19		
Potassium	ND	3.0	mg/L	SW846 6010B	05/01-05/02/01	ECC8J1AH
		Dilution Factor: 1		Analysis Time..: 12:19		
Magnesium	**58.3**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8J1AJ**
		Dilution Factor: 1		Analysis Time..: 12:19		
Manganese	**0.65**	**0.010**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8J1AK**
		Dilution Factor: 1		Analysis Time..: 12:19		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2S

TOTAL Metals

Lot-Sample #...: D1D250279-003
Date Sampled...: 04/24/01 14:35 Date Received..: 04/25/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	216	0.10	mg/L	SW846 6010B	05/04-05/09/01	ECC8K1AD
		Dilution Factor: 1		Analysis Time..: 04:00		
Manganese	7.3	0.010	mg/L	SW846 6010B	05/04/01	ECC8K1AE
		Dilution Factor: 1		Analysis Time..: 20:22		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2S

DISSOLVED Metals

Lot-Sample #...: D1D250279-003
Date Sampled...: 04/24/01 14:35 **Date Received..:** 04/25/01
Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	**145**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8K1AF**
		Dilution Factor: 1		Analysis Time..: 12:23		
Iron	ND	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECC8K1AG
		Dilution Factor: 1		Analysis Time..: 12:23		
Potassium	**3.5**	**3.0**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8K1AH**
		Dilution Factor: 1		Analysis Time..: 12:23		
Magnesium	**36.9**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8K1AJ**
		Dilution Factor: 1		Analysis Time..: 12:23		
Manganese	**3.0**	**0.010**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC8K1AK**
		Dilution Factor: 1		Analysis Time..: 12:23		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5S

TOTAL Metals

Lot-Sample #...: D1D250279-004
Date Sampled...: 04/24/01 11:40 Date Received..: 04/25/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	48.9	0.10	mg/L	SW846 6010B	05/04-05/09/01	ECC8M1AD
		Dilution Factor: 1		Analysis Time..: 04:12		
Manganese	3.9	0.010	mg/L	SW846 6010B	05/04/01	ECC8M1AE
		Dilution Factor: 1		Analysis Time..: 20:27		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5S

DISSOLVED Metals

Lot-Sample #...: D1D250279-004 Matrix.....: WATER
Date Sampled...: 04/24/01 11:40 Date Received..: 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	136	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECC8M1AF
		Dilution Factor: 1		Analysis Time..: 12:26		
Iron	1.2	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECC8M1AG
		Dilution Factor: 1		Analysis Time..: 12:26		
Potassium	4.2	3.0	mg/L	SW846 6010B	05/01-05/02/01	ECC8M1AH
		Dilution Factor: 1		Analysis Time..: 12:26		
Magnesium	37.4	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECC8M1AJ
		Dilution Factor: 1		Analysis Time..: 12:26		
Manganese	2.7	0.010	mg/L	SW846 6010B	05/01-05/02/01	ECC8M1AK
		Dilution Factor: 1		Analysis Time..: 12:26		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5D

TOTAL Metals

Lot-Sample #...: D1D250279-005
Date Sampled...: 04/24/01 12:20 Date Received..: 04/25/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	1.3	0.10	mg/L	SW846 6010B	05/04-05/09/01	ECC8R1AD
		Dilution Factor: 1		Analysis Time..: 04:16		
Manganese	0.51	0.010	mg/L	SW846 6010B	05/04/01	ECC8R1AE
		Dilution Factor: 1		Analysis Time..: 20:32		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5D

DISSOLVED Metals

Lot-Sample #...: D1D250279-005
Date Sampled...: 04/24/01 12:20 Date Received..: 04/25/01
Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	122	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECC8R1AF
		Dilution Factor: 1		Analysis Time..: 12:38		
Iron	ND	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECC8R1AG
		Dilution Factor: 1		Analysis Time..: 12:38		
Potassium	ND	3.0	mg/L	SW846 6010B	05/01-05/02/01	ECC8R1AH
		Dilution Factor: 1		Analysis Time..: 12:38		
Magnesium	49.1	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECC8R1AJ
		Dilution Factor: 1		Analysis Time..: 12:38		
Manganese	0.58	0.010	mg/L	SW846 6010B	05/01-05/02/01	ECC8R1AK
		Dilution Factor: 1		Analysis Time..: 12:38		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S

TOTAL Metals

Lot-Sample #...: D1D250279-007
Date Sampled...: 04/24/01 08:20 Date Received..: 04/25/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	81.4	0.10	mg/L	SW846 6010B	05/04-05/09/01	ECC811AD
		Dilution Factor: 1		Analysis Time..: 04:20		
Manganese	1.7	0.010	mg/L	SW846 6010B	05/04/01	ECC811AE
		Dilution Factor: 1		Analysis Time..: 20:37		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S

DISSOLVED Metals

Lot-Sample #...: D1D250279-007
Date Sampled...: 04/24/01 08:20 **Date Received..:** 04/25/01
Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	**116**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC811AF**
		Dilution Factor: 1		Analysis Time..: 12:42		
Iron	ND	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECC811AG
		Dilution Factor: 1		Analysis Time..: 12:42		
Potassium	ND	3.0	mg/L	SW846 6010B	05/01-05/02/01	ECC811AH
		Dilution Factor: 1		Analysis Time..: 12:42		
Magnesium	**45.5**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC811AJ**
		Dilution Factor: 1		Analysis Time..: 12:42		
Manganese	**0.88**	**0.010**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC811AK**
		Dilution Factor: 1		Analysis Time..: 12:42		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1D

TOTAL Metals

Lot-Sample #...: D1D250279-010 **Matrix.....:** WATER
Date Sampled...: 04/24/01 09:10 **Date Received..:** 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	**0.64**	**0.10**	**mg/L**	**SW846 6010B**	**05/04-05/09/01**	**ECC891AD**
		Dilution Factor: 1		Analysis Time..: 04:23		
Manganese	**0.073**	**0.010**	**mg/L**	**SW846 6010B**	**05/04/01**	**ECC891AE**
		Dilution Factor: 1		Analysis Time..: 20:42		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1D

DISSOLVED Metals

Lot-Sample #...: D1D250279-010
Date Sampled...: 04/24/01 09:10 Date Received..: 04/25/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	160	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECC891AF
		Dilution Factor: 1		Analysis Time..: 12:46		
Iron	ND	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECC891AG
		Dilution Factor: 1		Analysis Time..: 12:46		
Potassium	3.1	3.0	mg/L	SW846 6010B	05/01-05/02/01	ECC891AH
		Dilution Factor: 1		Analysis Time..: 12:46		
Magnesium	62.8	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECC891AJ
		Dilution Factor: 1		Analysis Time..: 12:46		
Manganese	0.057	0.010	mg/L	SW846 6010B	05/01-05/02/01	ECC891AK
		Dilution Factor: 1		Analysis Time..: 12:46		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-6S

TOTAL Metals

Lot-Sample #...: D1D250279-011
Date Sampled...: 04/24/01 10:28 Date Received..: 04/25/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	123	0.10	mg/L	SW846 6010B	05/04-05/09/01	ECC9A1AD
		Dilution Factor: 1		Analysis Time..: 04:27		
Manganese	6.2	0.010	mg/L	SW846 6010B	05/04/01	ECC9A1AE
		Dilution Factor: 1		Analysis Time..: 20:56		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-6S

DISSOLVED Metals

Lot-Sample #...: D1D250279-011
Date Sampled...: 04/24/01 10:28 Date Received..: 04/25/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	118	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECC9A1AF
		Dilution Factor: 1		Analysis Time..: 12:49		
Iron	ND	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECC9A1AG
		Dilution Factor: 1		Analysis Time..: 12:49		
Potassium	3.1	3.0	mg/L	SW846 6010B	05/01-05/02/01	ECC9A1AH
		Dilution Factor: 1		Analysis Time..: 12:49		
Magnesium	43.9	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECC9A1AJ
		Dilution Factor: 1		Analysis Time..: 12:49		
Manganese	3.0	0.010	mg/L	SW846 6010B	05/01-05/02/01	ECC9A1AK
		Dilution Factor: 1		Analysis Time..: 12:49		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3Z

TOTAL Metals

Lot-Sample #...: D1D250279-013 **Matrix.....:** WATER
Date Sampled...: 04/24/01 17:00 **Date Received..:** 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	**7.1**	**0.10**	**mg/L**	**SW846 6010B**	**05/04-05/09/01**	**ECC9D1AD**
		Dilution Factor: 1		Analysis Time..: 04:31		
Manganese	**0.49**	**0.010**	**mg/L**	**SW846 6010B**	**05/04/01**	**ECC9D1AE**
		Dilution Factor: 1		Analysis Time..: 21:01		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3Z

DISSOLVED Metals

Lot-Sample #...: D1D250279-013 **Matrix.....:** WATER
Date Sampled...: 04/24/01 17:00 **Date Received..:** 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	**103**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC9D1AF**
		Dilution Factor: 1		Analysis Time..: 12:53		
Iron	ND	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECC9D1AG
		Dilution Factor: 1		Analysis Time..: 12:53		
Potassium	ND	3.0	mg/L	SW846 6010B	05/01-05/02/01	ECC9D1AH
		Dilution Factor: 1		Analysis Time..: 12:53		
Magnesium	**39.0**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC9D1AJ**
		Dilution Factor: 1		Analysis Time..: 12:53		
Manganese	**0.34**	**0.010**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC9D1AK**
		Dilution Factor: 1		Analysis Time..: 12:53		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3D

TOTAL Metals

Lot-Sample #...: D1D250279-014 Matrix.....: WATER
Date Sampled...: 04/24/01 16:30 Date Received..: 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120426						
Iron	8.7	0.10	mg/L	SW846 6010B	05/04-05/09/01	ECC9E1AD
		Dilution Factor: 1		Analysis Time..: 04:35		
Manganese	0.52	0.010	mg/L	SW846 6010B	05/04/01	ECC9E1AE
		Dilution Factor: 1		Analysis Time..: 21:06		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3D

DISSOLVED Metals

Lot-Sample #...: D1D250279-014 **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:30 **Date Received..:** 04/25/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1120400						
Calcium	**109**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC9E1AF**
		Dilution Factor: 1		Analysis Time..: 12:57		
Iron	ND	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECC9E1AG
		Dilution Factor: 1		Analysis Time..: 12:57		
Potassium	ND	3.0	mg/L	SW846 6010B	05/01-05/02/01	ECC9E1AH
		Dilution Factor: 1		Analysis Time..: 12:57		
Magnesium	**41.2**	**0.20**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC9E1AJ**
		Dilution Factor: 1		Analysis Time..: 12:57		
Manganese	**0.36**	**0.010**	**mg/L**	**SW846 6010B**	**05/01-05/02/01**	**ECC9E1AK**
		Dilution Factor: 1		Analysis Time..: 12:57		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3S

General Chemistry

Lot-Sample #...: D1D250279-001 **Work Order #...:** ECC8D **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:00 **Date Received..:** 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.12	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	308	5.0	mg/L	MCAWW 310.1	05/01/01	1123190
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	61.5	2.5	mg/L	MCAWW 325.2	04/27/01	1120224
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	4.8	0.10	mg/L	MCAWW 353.2	05/02/01	1123385
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	183 Q	25.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 5		Analysis Time..: 13:00		
Total Alkalinity	308	5.0	mg/L	MCAWW 310.1	05/01/01	1123189
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	829	10.0	mg/L	MCAWW 160.1	05/01/01	1123354
		Dilution Factor: 1		Analysis Time..: 14:40		
Total Organic Carbon	3.9	1.0	mg/L	MCAWW 415.1	05/01/01	1122350
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2D

General Chemistry

Lot-Sample #...: D1D250279-002 **Work Order #...:** ECC8J **Matrix.....:** WATER
Date Sampled...: 04/24/01 14:55 **Date Received..:** 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	**321**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123190**
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	**65.0**	**2.5**	**mg/L**	**MCAWW 325.2**	**04/27/01**	**1120224**
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	**3.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**05/02/01**	**1123385**
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	**316 Q**	**50.0**	**mg/L**	**MCAWW 375.4**	**04/30/01**	**1120494**
		Dilution Factor: 10		Analysis Time..: 13:00		
Total Alkalinity	**321**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123189**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	**972**	**10.0**	**mg/L**	**MCAWW 160.1**	**05/01/01**	**1123354**
		Dilution Factor: 1		Analysis Time..: 14:40		
Total Organic Carbon	**1.1**	**1.0**	**mg/L**	**MCAWW 415.1**	**05/01/01**	**1122350**
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-2S

General Chemistry

Lot-Sample #...: D1D250279-003 **Work Order #...:** ECC8K **Matrix.....:** WATER
Date Sampled...: 04/24/01 14:35 **Date Received..:** 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	**0.11**	**0.10**	**mg/L**	**MCAWW 350.1**	**05/02/01**	**1123315**
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	**428**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123190**
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	**109**	**2.5**	**mg/L**	**MCAWW 325.2**	**04/27/01**	**1120224**
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	05/02/01	1123385
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	**138 Q**	**25.0**	**mg/L**	**MCAWW 375.4**	**04/30/01**	**1120494**
		Dilution Factor: 5		Analysis Time..: 13:00		
Total Alkalinity	**428**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123189**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	**1090 G**	**40.0**	**mg/L**	**MCAWW 160.1**	**05/01/01**	**1123354**
		Dilution Factor: 4		Analysis Time..: 00:00		
Total Organic Carbon	**3.3**	**1.0**	**mg/L**	**MCAWW 415.1**	**05/01/01**	**1122350**
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5S

General Chemistry

Lot-Sample #...: D1D250279-004 Work Order #...: ECC8M Matrix.....: WATER
Date Sampled...: 04/24/01 11:40 Date Received..: 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.18	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	500	5.0	mg/L	MCAWW 310.1	05/01/01	1123190
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	136	2.5	mg/L	MCAWW 325.2	04/27/01	1120224
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	05/02/01	1123385
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	33.5	5.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 1		Analysis Time..: 13:00		
Total Alkalinity	500	5.0	mg/L	MCAWW 310.1	05/01/01	1123189
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	928 G	40.0	mg/L	MCAWW 160.1	05/01/01	1123354
		Dilution Factor: 4		Analysis Time..: 14:40		
Total Organic Carbon	2.9	1.0	mg/L	MCAWW 415.1	05/01/01	1122350
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-5D

General Chemistry

Lot-Sample #...: D1D250279-005 Work Order #...: ECC8R Matrix.....: WATER
Date Sampled...: 04/24/01 12:20 Date Received..: 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	299	5.0	mg/L	MCAWW 310.1	05/01/01	1123190
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	54.8	2.5	mg/L	MCAWW 325.2	04/27/01	1120224
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	4.6	0.10	mg/L	MCAWW 353.2	05/02/01	1123385
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	228 Q	50.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 10		Analysis Time..: 13:00		
Total Alkalinity	299	5.0	mg/L	MCAWW 310.1	05/01/01	1123189
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	878	10.0	mg/L	MCAWW 160.1	05/01/01	1123354
		Dilution Factor: 1		Analysis Time..: 14:40		
Total Organic Carbon	1.4	1.0	mg/L	MCAWW 415.1	05/01/01	1122350
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1S

General Chemistry

Lot-Sample #...: D1D250279-007 **Work Order #...:** ECC81 **Matrix.....:** WATER
Date Sampled...: 04/24/01 08:20 **Date Received..:** 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	**289**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123190**
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	**69.0**	**2.5**	**mg/L**	**MCAWW 325.2**	**04/27/01**	**1120224**
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	**1.2**	**0.10**	**mg/L**	**MCAWW 353.2**	**05/02/01**	**1123385**
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	**261 Q**	**50.0**	**mg/L**	**MCAWW 375.4**	**04/30/01**	**1120494**
		Dilution Factor: 10		Analysis Time..: 13:00		
Total Alkalinity	**289**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123189**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	**1230 G**	**40.0**	**mg/L**	**MCAWW 160.1**	**05/01/01**	**1123354**
		Dilution Factor: 4		Analysis Time..: 14:40		
Total Organic Carbon	**1.8**	**1.0**	**mg/L**	**MCAWW 415.1**	**05/01/01**	**1122350**
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-1D

General Chemistry

Lot-Sample #...: D1D250279-010 **Work Order #...:** ECC89 **Matrix.....:** WATER
Date Sampled...: 04/24/01 09:10 **Date Received..:** 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	**274**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123190**
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	**53.3**	**2.5**	**mg/L**	**MCAWW 325.2**	**04/27/01**	**1120224**
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	**2.0**	**0.10**	**mg/L**	**MCAWW 353.2**	**05/02/01**	**1123385**
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	**391 Q**	**50.0**	**mg/L**	**MCAWW 375.4**	**04/30/01**	**1120494**
		Dilution Factor: 10		Analysis Time..: 13:00		
Total Alkalinity	**274**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123189**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	**944**	**10.0**	**mg/L**	**MCAWW 160.1**	**05/01/01**	**1123354**
		Dilution Factor: 1		Analysis Time..: 14:40		
Total Organic Carbon	**1.2**	**1.0**	**mg/L**	**MCAWW 415.1**	**05/01/01**	**1122350**
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-6S

General Chemistry

Lot-Sample #...: D1D250279-011 Work Order #...: ECC9A Matrix.....: WATER
Date Sampled...: 04/24/01 10:28 Date Received..: 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	445	5.0	mg/L	MCAWW 310.1	05/01/01	1123190
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	77.4	2.5	mg/L	MCAWW 325.2	04/27/01	1120224
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	1.4	0.10	mg/L	MCAWW 353.2	05/02/01	1123385
		Dilution Factor: 1		Analysis Time..: 08:00		
ulfate	107 Q	25.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 5		Analysis Time..: 13:00		
Total Alkalinity	445	5.0	mg/L	MCAWW 310.1	05/01/01	1123189
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	1020 G	20.0	mg/L	MCAWW 160.1	05/01/01	1123354
		Dilution Factor: 2		Analysis Time..: 14:40		
Total Organic Carbon	2.7	1.0	mg/L	MCAWW 415.1	05/01/01	1122350
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3Z

General Chemistry

Lot-Sample #...: D1D250279-013 **Work Order #...:** ECC9D **Matrix.....:** WATER
Date Sampled...: 04/24/01 17:00 **Date Received..:** 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	**275**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123190**
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	**53.4**	**2.5**	**mg/L**	**MCAWW 325.2**	**04/27/01**	**1120224**
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	**6.6**	**0.10**	**mg/L**	**MCAWW 353.2**	**05/02/01**	**1123385**
		Dilution Factor: 1		Analysis Time..: 08:00		
ulfate	**174 Q**	**25.0**	**mg/L**	**MCAWW 375.4**	**04/30/01**	**1120494**
		Dilution Factor: 5		Analysis Time..: 13:00		
Total Alkalinity	**275**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123189**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	**738**	**10.0**	**mg/L**	**MCAWW 160.1**	**05/01/01**	**1123354**
		Dilution Factor: 1		Analysis Time..: 14:40		
Total Organic Carbon	**1.4**	**1.0**	**mg/L**	**MCAWW 415.1**	**05/01/01**	**1122350**
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-3D

General Chemistry

Lot-Sample #...: D1D250279-014 **Work Order #...:** ECC9E **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:30 **Date Received..:** 04/25/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	**265**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123190**
		Dilution Factor: 1		Analysis Time..: 17:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123192
		Dilution Factor: 1		Analysis Time..: 17:00		
Chloride	**53.0**	**2.5**	**mg/L**	**MCAWW 325.2**	**04/27/01**	**1120224**
		Dilution Factor: 1		Analysis Time..: 13:00		
Nitrate-Nitrite	**6.7**	**0.10**	**mg/L**	**MCAWW 353.2**	**05/02/01**	**1123385**
		Dilution Factor: 1		Analysis Time..: 08:00		
ulfate	**195 Q**	**25.0**	**mg/L**	**MCAWW 375.4**	**04/30/01**	**1120494**
		Dilution Factor: 5		Analysis Time..: 13:00		
Total Alkalinity	**265**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/01/01**	**1123189**
		Dilution Factor: 1		Analysis Time..: 17:00		
Total Dissolved Solids	**736**	**10.0**	**mg/L**	**MCAWW 160.1**	**05/01/01**	**1123354**
		Dilution Factor: 1		Analysis Time..: 14:40		
Total Organic Carbon	**1.3**	**1.0**	**mg/L**	**MCAWW 415.1**	**05/01/01**	**1122350**
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

QC DATA ASSOCIATION SUMMARY

D1D250279

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1121388	1121162
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153
002	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1121388	1121162
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153
003	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1122191	1122062
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153

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QC DATA ASSOCIATION SUMMARY

D1D250279

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
004	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1122191	1122062
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153
005	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1122191	1122062
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153
006	WATER	SW846 8260B		1121388	1121162
007	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1121388	1121162
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D1D250279

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
008	WATER	SW846 8260B		1121388	1121162
009	WATER	SW846 8260B		1121388	1121162
010	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1121238	1121070
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153
011	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1123440	1123231
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153
012	WATER	SW846 8260B		1121238	1121070
013	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1121238	1121070
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276

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QC DATA ASSOCIATION SUMMARY

D1D250279

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
013	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153
014	WATER	MCAWW 160.1		1123354	1123178
	WATER	MCAWW 310.1		1123192	
	WATER	MCAWW 325.2		1120224	1120120
	WATER	MCAWW 353.2		1123385	1123192
	WATER	MCAWW 415.1		1122350	1123088
	WATER	RSK SOP-175		1128322	1128174
	WATER	SW846 8260B		1123440	1123231
	WATER	SW846 6010B		1120400	1120207
	WATER	SW846 6010B		1120426	1120230
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1123190	
	WATER	MCAWW 310.1		1123189	1123063
	WATER	MCAWW 350.1		1123315	1123153
015	WATER	SW846 8260B		1121238	1121070

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECL5X1AC **Matrix.....:** WATER
LCS Lot-Sample#: D1E010000-388
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 10:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**94**	**(79 - 119)**	**SW846 8260B**
Benzene	**90**	**(79 - 119)**	**SW846 8260B**
Chlorobenzene	**83**	**(76 - 116)**	**SW846 8260B**
Toluene	**93**	**(75 - 122)**	**SW846 8260B**
Trichloroethene	**87**	**(81 - 121)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(80 - 120)
1,2-Dichloroethane-d4	85	(72 - 127)
4-Bromofluorobenzene	94	(79 - 119)
Toluene-d8	104	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECL5X1AC **Matrix.....:** WATER
LCS Lot-Sample#: D1E010000-388
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 10:30
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**9.38**	**ug/L**	**94**	**SW846 8260B**
Benzene	**10.0**	**9.03**	**ug/L**	**90**	**SW846 8260B**
Chlorobenzene	**10.0**	**8.27**	**ug/L**	**83**	**SW846 8260B**
Toluene	**10.0**	**9.26**	**ug/L**	**93**	**SW846 8260B**
Trichloroethene	**10.0**	**8.71**	**ug/L**	**87**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(80 - 120)
1,2-Dichloroethane-d4	85	(72 - 127)
4-Bromofluorobenzene	94	(79 - 119)
Toluene-d8	104	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECNCA1AC **Matrix.....:** WATER
LCS Lot-Sample#: D1E020000-191
Prep Date.....: 05/01/01 **Analysis Date..:** 05/01/01
Prep Batch #...: 1122191 **Analysis Time..:** 09:52
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**102**	**(79 - 119)**	**SW846 8260B**
Benzene	**88**	**(79 - 119)**	**SW846 8260B**
Chlorobenzene	**85**	**(76 - 116)**	**SW846 8260B**
Toluene	**86**	**(75 - 122)**	**SW846 8260B**
Trichloroethene	**92**	**(81 - 121)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	106	(72 - 127)
4-Bromofluorobenzene	110	(79 - 119)
Toluene-d8	96	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECNCA1AC **Matrix.....:** WATER
LCS Lot-Sample#: D1E020000-191
Prep Date.....: 05/01/01 **Analysis Date..:** 05/01/01
Prep Batch #...: 1122191 **Analysis Time..:** 09:52
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Benzene	**10.0**	**8.80**	**ug/L**	**88**	**SW846 8260B**
Chlorobenzene	**10.0**	**8.51**	**ug/L**	**85**	**SW846 8260B**
Toluene	**10.0**	**8.56**	**ug/L**	**86**	**SW846 8260B**
Trichloroethene	**10.0**	**9.17**	**ug/L**	**92**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	106	(72 - 127)
4-Bromofluorobenzene	110	(79 - 119)
Toluene-d8	96	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECLKA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D1E010000-238 ECLKA1AD-LCSD
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121238 **Analysis Time..:** 11:13
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**84**	**(79 - 119)**			**SW846 8260B**
	83	**(79 - 119)**	**1.2**	**(0-20)**	**SW846 8260B**
Benzene	**92**	**(79 - 119)**			**SW846 8260B**
	91	**(79 - 119)**	**0.90**	**(0-20)**	**SW846 8260B**
Toluene	**79**	**(75 - 122)**			**SW846 8260B**
	81	**(75 - 122)**	**2.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**80**	**(76 - 116)**			**SW846 8260B**
	82	**(76 - 116)**	**2.4**	**(0-20)**	**SW846 8260B**
Trichloroethene	**91**	**(81 - 121)**			**SW846 8260B**
	92	**(81 - 121)**	**0.59**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
	97	(80 - 120)
1,2-Dichloroethane-d4	94	(72 - 127)
	93	(72 - 127)
4-Bromofluorobenzene	111	(79 - 119)
	108	(79 - 119)
Toluene-d8	89	(79 - 119)
	86	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECLKA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D1E010000-238 ECLKA1AD-LCSD
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121238 **Analysis Time..:** 11:13
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**8.44**	**ug/L**	**84**		**SW846 8260B**
	10.0	**8.34**	**ug/L**	**83**	**1.2**	**SW846 8260B**
Benzene	**10.0**	**9.15**	**ug/L**	**92**		**SW846 8260B**
	10.0	**9.07**	**ug/L**	**91**	**0.90**	**SW846 8260B**
Toluene	**10.0**	**7.90**	**ug/L**	**79**		**SW846 8260B**
	10.0	**8.09**	**ug/L**	**81**	**2.4**	**SW846 8260B**
Chlorobenzene	**10.0**	**7.96**	**ug/L**	**80**		**SW846 8260B**
	10.0	**8.15**	**ug/L**	**82**	**2.4**	**SW846 8260B**
Trichloroethene	**10.0**	**9.11**	**ug/L**	**91**		**SW846 8260B**
	10.0	**9.16**	**ug/L**	**92**	**0.59**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
	97	(80 - 120)
1,2-Dichloroethane-d4	94	(72 - 127)
	93	(72 - 127)
4-Bromofluorobenzene	111	(79 - 119)
	108	(79 - 119)
Toluene-d8	89	(79 - 119)
	86	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECR2D1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D1E030000-440 ECR2D1AD-LCSD
Prep Date.....: 05/02/01 **Analysis Date..:** 05/02/01
Prep Batch #...: 1123440 **Analysis Time..:** 10:12
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**89**	**(79 - 119)**			**SW846 8260B**
	101	**(79 - 119)**	**13**	**(0-20)**	**SW846 8260B**
Benzene	**95**	**(79 - 119)**			**SW846 8260B**
	100	**(79 - 119)**	**4.9**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**93**	**(76 - 116)**			**SW846 8260B**
	98	**(76 - 116)**	**5.3**	**(0-20)**	**SW846 8260B**
Toluene	**96**	**(75 - 122)**			**SW846 8260B**
	104	**(75 - 122)**	**8.5**	**(0-20)**	**SW846 8260B**
Trichloroethene	**99**	**(81 - 121)**			**SW846 8260B**
	108	**(81 - 121)**	**8.5**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(80 - 120)
	88	(80 - 120)
1,2-Dichloroethane-d4	89	(72 - 127)
	91	(72 - 127)
4-Bromofluorobenzene	103	(79 - 119)
	103	(79 - 119)
Toluene-d8	114	(79 - 119)
	116	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECR2D1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D1E030000-440 ECR2D1AD-LCSD
Prep Date.....: 05/02/01 **Analysis Date..:** 05/02/01
Prep Batch #...: 1123440 **Analysis Time..:** 10:12
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**8.91**	**ug/L**	**89**		**SW846 8260B**
	10.0	**10.1**	**ug/L**	**101**	**13**	**SW846 8260B**
Benzene	**10.0**	**9.54**	**ug/L**	**95**		**SW846 8260B**
	10.0	**10.0**	**ug/L**	**100**	**4.9**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.32**	**ug/L**	**93**		**SW846 8260B**
	10.0	**9.83**	**ug/L**	**98**	**5.3**	**SW846 8260B**
Toluene	**10.0**	**9.58**	**ug/L**	**96**		**SW846 8260B**
	10.0	**10.4**	**ug/L**	**104**	**8.5**	**SW846 8260B**
Trichloroethene	**10.0**	**9.92**	**ug/L**	**99**		**SW846 8260B**
	10.0	**10.8**	**ug/L**	**108**	**8.5**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(80 - 120)
	88	(80 - 120)
1,2-Dichloroethane-d4	89	(72 - 127)
	91	(72 - 127)
4-Bromofluorobenzene	103	(79 - 119)
	103	(79 - 119)
Toluene-d8	114	(79 - 119)
	116	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECL5X1AA **Matrix.....:** WATER
MB Lot-Sample #: D1E010000-388

Prep Date.....: 04/30/01 **Analysis Time..:** 10:55

Analysis Date..: 04/30/01 **Prep Batch #...:** 1121388
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECL5X1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(80 - 120)
1,2-Dichloroethane-d4	82	(72 - 127)
4-Bromofluorobenzene	90	(79 - 119)
Toluene-d8	103	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECNCA1AA **Matrix.....:** WATER
MB Lot-Sample #: D1E020000-191

Prep Date.....: 05/01/01 **Analysis Time..:** 10:20
Analysis Date..: 05/01/01 **Prep Batch #...:** 1122191
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECNCA1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	104	(72 - 127)
4-Bromofluorobenzene	108	(79 - 119)
Toluene-d8	98	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECLKA1AA **Matrix.....:** WATER
MB Lot-Sample #: D1E010000-238

Prep Date.....: 04/30/01 **Analysis Time..:** 11:58

Analysis Date..: 04/30/01 **Prep Batch #...:** 1121238
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECLKA1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
1,2-Dichloroethane-d4	93	(72 - 127)
4-Bromofluorobenzene	108	(79 - 119)
Toluene-d8	86	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECR2D1AA **Matrix.....:** WATER
MB Lot-Sample #: D1E030000-440

Prep Date.....: 05/02/01 **Analysis Time..:** 11:04
Analysis Date..: 05/02/01 **Prep Batch #...:** 1123440
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECR2D1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(80 - 120)
1,2-Dichloroethane-d4	88	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	114	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** EA8321AU-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D240132-001 EA8321AV-MSD
Date Sampled...: 04/23/01 10:00 **Date Received..:** 04/24/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 14:51
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**106**	**(79 - 119)**			**SW846 8260B**
	110	**(79 - 119)**	**3.3**	**(0-20)**	**SW846 8260B**
Trichloroethene	**92**	**(81 - 121)**			**SW846 8260B**
	93	**(81 - 121)**	**0.84**	**(0-20)**	**SW846 8260B**
Benzene	**97**	**(79 - 119)**			**SW846 8260B**
	99	**(79 - 119)**	**1.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**87**	**(76 - 116)**			**SW846 8260B**
	88	**(76 - 116)**	**1.1**	**(0-20)**	**SW846 8260B**
Toluene	**93**	**(75 - 122)**			**SW846 8260B**
	94	**(75 - 122)**	**0.38**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
ibromofluoromethane	93	(80 - 120)
	93	(80 - 120)
1,2-Dichloroethane-d4	89	(72 - 127)
	90	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	100	(79 - 119)
	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** EA8321AU-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D240132-001 EA8321AV-MSD
Date Sampled...: 04/23/01 10:00 **Date Received..:** 04/24/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121388 **Analysis Time..:** 14:51
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	ND	**10.0**	**11.0**	**ug/L**	**110**	**3.3**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**9.21**	**ug/L**	**92**		**SW846 8260B**
	ND	**10.0**	**9.29**	**ug/L**	**93**	**0.84**	**SW846 8260B**
Benzene	**ND**	**10.0**	**9.71**	**ug/L**	**97**		**SW846 8260B**
	ND	**10.0**	**9.86**	**ug/L**	**99**	**1.6**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**8.70**	**ug/L**	**87**		**SW846 8260B**
	ND	**10.0**	**8.80**	**ug/L**	**88**	**1.1**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.35**	**ug/L**	**93**		**SW846 8260B**
	ND	**10.0**	**9.38**	**ug/L**	**94**	**0.38**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
ibromofluoromethane	93	(80 - 120)
	93	(80 - 120)
1,2-Dichloroethane-d4	89	(72 - 127)
	90	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
	94	(79 - 119)
Toluene-d8	100	(79 - 119)
	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECC8R1A0-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D250279-005 ECC8R1A1-MSD
Date Sampled...: 04/24/01 12:20 **Date Received..:** 04/25/01
Prep Date.....: 05/01/01 **Analysis Date..:** 05/01/01
Prep Batch #...: 1122191 **Analysis Time..:** 15:48
Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**117**	**(79 - 119)**			**SW846 8260B**
	109	**(79 - 119)**	**6.7**	**(0-20)**	**SW846 8260B**
Benzene	**104**	**(79 - 119)**			**SW846 8260B**
	94	**(79 - 119)**	**9.9**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**99**	**(76 - 116)**			**SW846 8260B**
	94	**(76 - 116)**	**5.3**	**(0-20)**	**SW846 8260B**
Toluene	**96**	**(75 - 122)**			**SW846 8260B**
	93	**(75 - 122)**	**3.0**	**(0-20)**	**SW846 8260B**
Trichloroethene	**96**	**(81 - 121)**			**SW846 8260B**
	88	**(81 - 121)**	**1.8**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	113	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	112	(72 - 127)
	103	(72 - 127)
4-Bromofluorobenzene	115	(79 - 119)
	108	(79 - 119)
Toluene-d8	95	(79 - 119)
	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECC8R1A0-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D250279-005 ECC8R1A1-MSD
Date Sampled...: 04/24/01 12:20 **Date Received..:** 04/25/01
Prep Date.....: 05/01/01 **Analysis Date..:** 05/01/01
Prep Batch #...: 1122191 **Analysis Time..:** 15:48
Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**50.0**	**58.3**	**ug/L**	**117**		**SW846 8260B**
	ND	**50.0**	**54.5**	**ug/L**	**109**	**6.7**	**SW846 8260B**
Benzene	**ND**	**50.0**	**51.9**	**ug/L**	**104**		**SW846 8260B**
	ND	**50.0**	**47.0**	**ug/L**	**94**	**9.9**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**49.3**	**ug/L**	**99**		**SW846 8260B**
	ND	**50.0**	**46.8**	**ug/L**	**94**	**5.3**	**SW846 8260B**
Toluene	**ND**	**50.0**	**48.1**	**ug/L**	**96**		**SW846 8260B**
	ND	**50.0**	**46.7**	**ug/L**	**93**	**3.0**	**SW846 8260B**
Trichloroethene	**180**	**50.0**	**231**	**ug/L**	**96**		**SW846 8260B**
	180	**50.0**	**227**	**ug/L**	**88**	**1.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
ibromofluoromethane	113	(80 - 120)
	104	(80 - 120)
1,2-Dichloroethane-d4	112	(72 - 127)
	103	(72 - 127)
4-Bromofluorobenzene	115	(79 - 119)
	108	(79 - 119)
Toluene-d8	95	(79 - 119)
	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECC891A0-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D250279-010 ECC891A1-MSD
Date Sampled...: 04/24/01 09:10 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121238 **Analysis Time..:** 15:09
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**110**	**(79 - 119)**			**SW846 8260B**
	108	**(79 - 119)**	**2.1**	**(0-20)**	**SW846 8260B**
Benzene	**106**	**(79 - 119)**			**SW846 8260B**
	106	**(79 - 119)**	**0.48**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**91**	**(76 - 116)**			**SW846 8260B**
	91	**(76 - 116)**	**0.11**	**(0-20)**	**SW846 8260B**
Toluene	**92**	**(75 - 122)**			**SW846 8260B**
	92	**(75 - 122)**	**0.65**	**(0-20)**	**SW846 8260B**
Trichloroethene	**109**	**(81 - 121)**			**SW846 8260B**
	112	**(81 - 121)**	**2.3**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
	98	(80 - 120)
1,2-Dichloroethane-d4	92	(72 - 127)
	93	(72 - 127)
4-Bromofluorobenzene	107	(79 - 119)
	107	(79 - 119)
Toluene-d8	85	(79 - 119)
	84	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECC891A0-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D250279-010 ECC891A1-MSD
Date Sampled...: 04/24/01 09:10 **Date Received..:** 04/25/01
Prep Date.....: 04/30/01 **Analysis Date..:** 04/30/01
Prep Batch #...: 1121238 **Analysis Time..:** 15:09
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**11.0**	**ug/L**	**110**		**SW846 8260B**
	ND	**10.0**	**10.8**	**ug/L**	**108**	**2.1**	**SW846 8260B**
Benzene	**ND**	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	ND	**10.0**	**10.6**	**ug/L**	**106**	**0.48**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.12**	**ug/L**	**91**		**SW846 8260B**
	ND	**10.0**	**9.11**	**ug/L**	**91**	**0.11**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.19**	**ug/L**	**92**		**SW846 8260B**
	ND	**10.0**	**9.25**	**ug/L**	**92**	**0.65**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**10.9**	**ug/L**	**109**		**SW846 8260B**
	ND	**10.0**	**11.2**	**ug/L**	**112**	**2.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
ibromofluoromethane	97	(80 - 120)
	98	(80 - 120)
1,2-Dichloroethane-d4	92	(72 - 127)
	93	(72 - 127)
4-Bromofluorobenzene	107	(79 - 119)
	107	(79 - 119)
Toluene-d8	85	(79 - 119)
	84	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECE5P1CF-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D260267-001 ECE5P1CG-MSD
Date Sampled...: 04/25/01 01:00 **Date Received..:** 04/26/01
Prep Date.....: 05/02/01 **Analysis Date..:** 05/02/01
Prep Batch #...: 1123440 **Analysis Time..:** 14:36
Dilution Factor: 10

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**98**	**(79 - 119)**			**SW846 8260B**
	95	**(79 - 119)**	**2.6**	**(0-20)**	**SW846 8260B**
Benzene	**101**	**(79 - 119)**			**SW846 8260B**
	99	**(79 - 119)**	**1.7**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**83**	**(76 - 116)**			**SW846 8260B**
	98	**(76 - 116)**	**4.1**	**(0-20)**	**SW846 8260B**
Toluene	**100**	**(75 - 122)**			**SW846 8260B**
	100	**(75 - 122)**	**0.21**	**(0-20)**	**SW846 8260B**
Trichloroethene	**104**	**(81 - 121)**			**SW846 8260B**
	100	**(81 - 121)**	**3.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(80 - 120)
	89	(80 - 120)
1,2-Dichloroethane-d4	95	(72 - 127)
	94	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
	107	(79 - 119)
Toluene-d8	111	(79 - 119)
	112	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D250279
MS Lot-Sample #: D1D260267-001
Date Sampled...: 04/25/01 01:00
Prep Date.....: 05/02/01
Prep Batch #...: 1123440
Dilution Factor: 10

Work Order #...: ECE5P1CF-MS
ECE5P1CG-MSD
Date Received..: 04/26/01
Analysis Date..: 05/02/01
Analysis Time..: 14:36

Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	100	97.9	ug/L	98		SW846 8260B
	ND	100	95.4	ug/L	95	2.6	SW846 8260B
Benzene	11	100	112	ug/L	101		SW846 8260B
	11	100	110	ug/L	99	1.7	SW846 8260B
Chlorobenzene	270	100	355	ug/L	83		SW846 8260B
	270	100	369	ug/L	98	4.1	SW846 8260B
Toluene	11	100	111	ug/L	100		SW846 8260B
	11	100	111	ug/L	100	0.21	SW846 8260B
Trichloroethene	ND	100	105	ug/L	104		SW846 8260B
	ND	100	102	ug/L	100	3.4	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(80 - 120)
	89	(80 - 120)
1,2-Dichloroethane-d4	95	(72 - 127)
	94	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
	107	(79 - 119)
Toluene-d8	111	(79 - 119)
	112	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D1D250279 **Work Order #...:** EC11V1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I1E080000-322 EC11V1AD-LCSD
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 15:00
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	**103**	**(70 - 130)**			**RSK SOP-175**
	106	**(70 - 130)**	**3.1**	**(0-30)**	**RSK SOP-175**
Ethene	**102**	**(70 - 130)**			**RSK SOP-175**
	105	**(70 - 130)**	**3.1**	**(0-30)**	**RSK SOP-175**
Methane	**91**	**(70 - 130)**			**RSK SOP-175**
	93	**(70 - 130)**	**2.6**	**(0-30)**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D1D250279 **Work Order #...:** EC11V1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I1E080000-322 EC11V1AD-LCSD
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 15:00
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	**63.9**	**65.9**	**ug/L**	**103**		**RSK SOP-175**
	64.3	**68.3**	**ug/L**	**106**	**3.1**	**RSK SOP-175**
Ethene	**59.7**	**60.9**	**ug/L**	**102**		**RSK SOP-175**
	60.0	**63.2**	**ug/L**	**105**	**3.1**	**RSK SOP-175**
Methane	**34.1**	**31.1**	**ug/L**	**91**		**RSK SOP-175**
	34.3	**32.1**	**ug/L**	**93**	**2.6**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D1D250279 **Work Order #...:** EC11V1AA **Matrix.....:** WATER
MB Lot-Sample #: I1E080000-322

Prep Date.....: 05/07/01 **Analysis Time..:** 14:51
Analysis Date..: 05/07/01 **Prep Batch #...:** 1128322
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethane	ND	0.50	ug/L	RSK SOP-175
Ethene	ND	0.50	ug/L	RSK SOP-175
Methane	ND	0.50	ug/L	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECC8D1CH-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D250279-001 ECC8D1CJ-MSD
Date Sampled...: 04/24/01 16:00 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 20:40
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	**103**	**(68 - 104)**			**RSK SOP-175**
	101	**(68 - 104)**	**1.7**	**(0-14)**	**RSK SOP-175**
Ethene	**103 a,MSC**	**(69 - 102)**			**RSK SOP-175**
	102	**(69 - 102)**	**1.2**	**(0-15)**	**RSK SOP-175**
Methane	**92**	**(23 - 148)**			**RSK SOP-175**
	90	**(23 - 148)**	**1.3**	**(0-21)**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D1D250279 **Work Order #...:** ECC8D1CH-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D250279-001 ECC8D1CJ-MSD
Date Sampled...: 04/24/01 16:00 **Date Received..:** 04/25/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128322 **Analysis Time..:** 20:40
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	**ND**	**64.9**	**66.9**	**ug/L**	**103**		**RSK SOP-175**
	ND	**64.8**	**65.6**	**ug/L**	**101**	**1.7**	**RSK SOP-175**
Ethene	**ND**	**60.7**	**62.8**	**ug/L**	**103**		**RSK SOP-175**
	Qualifiers: a,MSC						
	ND	**60.5**	**61.9**	**ug/L**	**102**	**1.2**	**RSK SOP-175**
Methane	**11**	**34.7**	**43.2**	**ug/L**	**92**		**RSK SOP-175**
	11	**34.6**	**42.5**	**ug/L**	**90**	**1.3**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #...: D1D250279

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Iron	99	(92 - 114)			SW846 6010B	05/04-05/09/01	1120426
	99	(92 - 114)	0.04	(0-20)	SW846 6010B	05/04-05/09/01	1120426
		Dilution Factor: 1					
Manganese	100	(89 - 114)			SW846 6010B	05/04/01	1120426
	99	(89 - 114)	0.57	(0-20)	SW846 6010B	05/04/01	1120426
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: D1D250279 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Iron	1.00	0.993	mg/L	99		SW846 6010B	05/04-05/09/01	1120426
	1.00	0.993	mg/L	99	0.04	SW846 6010B	05/04-05/09/01	1120426
			Dilution Factor: 1					
Manganese	0.500	0.499	mg/L	100		SW846 6010B	05/04/01	1120426
	0.500	0.497	mg/L	99	0.57	SW846 6010B	05/04/01	1120426
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D1D250279 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1D300000-400 **Prep Batch #...:** 1120400					
Calcium	102	(88 - 108)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:56	05/01-05/02/01	ECKP11AG
Iron	97	(92 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:56	05/01-05/02/01	ECKP11AH
Potassium	101	(87 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:56	05/01-05/02/01	ECKP11AJ
Magnesium	105	(93 - 113)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:56	05/01-05/02/01	ECKP11AK
Manganese	96	(89 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:56	05/01-05/02/01	ECKP11AL

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D1D250279 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1D300000-400 **Prep Batch #...:** 1120400							
Calcium	50.0	51.0	mg/L	102	SW846 6010B	05/01-05/02/01	ECKP11AG
			Dilution Factor: 1				
			Analysis Time..: 11:56				
Iron	1.00	0.966	mg/L	97	SW846 6010B	05/01-05/02/01	ECKP11AH
			Dilution Factor: 1				
			Analysis Time..: 11:56				
Potassium	50.0	50.3	mg/L	101	SW846 6010B	05/01-05/02/01	ECKP11AJ
			Dilution Factor: 1				
			Analysis Time..: 11:56				
Magnesium	50.0	52.3	mg/L	105	SW846 6010B	05/01-05/02/01	ECKP11AK
			Dilution Factor: 1				
			Analysis Time..: 11:56				
anganese	0.500	0.482	mg/L	96	SW846 6010B	05/01-05/02/01	ECKP11AL
			Dilution Factor: 1				
			Analysis Time..: 11:56				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D1D250279 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1D300000-426 **Prep Batch #...:** 1120426						
Iron	ND	0.10	mg/L	SW846 6010B	05/04-05/09/01	ECKR21AA
		Dilution Factor: 1				
		Analysis Time..: 03:25				
Manganese	ND	0.010	mg/L	SW846 6010B	05/04/01	ECKR21AC
		Dilution Factor: 1				
		Analysis Time..: 19:58				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D1D250279 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1D300000-400 **Prep Batch #...:** 1120400						
Calcium	ND	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECKP11AA
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Iron	ND	0.10	mg/L	SW846 6010B	05/01-05/02/01	ECKP11AC
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Magnesium	ND	0.20	mg/L	SW846 6010B	05/01-05/02/01	ECKP11AE
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Manganese	ND	0.010	mg/L	SW846 6010B	05/01-05/02/01	ECKP11AF
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Potassium	ND	3.0	mg/L	SW846 6010B	05/01-05/02/01	ECKP11AD
		Dilution Factor: 1				
		Analysis Time..: 11:52				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1D250279 **Matrix.....:** WATER
Date Sampled...: 04/24/01 10:35 **Date Received..:** 04/24/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1D240245-002 **Prep Batch #...:** 1120426							
Iron	95	(92 - 114)			SW846 6010B	05/04-05/09/01	ECACR1AN
	95	(92 - 114)	0.15	(0-20)	SW846 6010B	05/04-05/09/01	ECACR1AP
		Dilution Factor: 1					
		Analysis Time..: 03:45					
Manganese	93	(89 - 114)			SW846 6010B	05/04/01	ECACR1AQ
	98	(89 - 114)	5.6	(0-20)	SW846 6010B	05/04/01	ECACR1AR
		Dilution Factor: 1					
		Analysis Time..: 21:25					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D1D250279 **Matrix.....:** WATER
Date Sampled...: 04/24/01 10:35 **Date Received..:** 04/24/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1D240245-002 **Prep Batch #...:** 1120426									
Iron									
	ND	1.00	0.995	mg/L	95		SW846 6010B	05/04-05/09/01	ECACR1AN
	ND	1.00	0.993	mg/L	95	0.15	SW846 6010B	05/04-05/09/01	ECACR1AP
			Dilution Factor: 1						
			Analysis Time..: 03:45						
Manganese									
	ND	0.500	0.465	mg/L	93		SW846 6010B	05/04/01	ECACR1AQ
	ND	0.500	0.492	mg/L	98	5.6	SW846 6010B	05/04/01	ECACR1AR
			Dilution Factor: 1						
			Analysis Time..: 21:25						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D1D250279 **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:00 **Date Received..:** 04/25/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1D250279-001 **Prep Batch #...:** 1120400							
Calcium	90	(88 - 108)			SW846 6010B	05/01-05/02/01	ECC8D1A0
	102	(88 - 108)	3.8	(0-20)	SW846 6010B	05/01-05/02/01	ECC8D1A1
		Dilution Factor: 1					
		Analysis Time..: 12:11					
Iron	99	(92 - 114)			SW846 6010B	05/01-05/02/01	ECC8D1A2
	109	(92 - 114)	3.8	(0-20)	SW846 6010B	05/01-05/02/01	ECC8D1A3
		Dilution Factor: 1					
		Analysis Time..: 12:11					
Magnesium	99	(93 - 113)			SW846 6010B	05/01-05/02/01	ECC8D1A6
	106	(93 - 113)	3.6	(0-20)	SW846 6010B	05/01-05/02/01	ECC8D1A7
		Dilution Factor: 1					
		Analysis Time..: 12:11					
Manganese	85 N	(89 - 114)			SW846 6010B	05/01-05/02/01	ECC8D1A8
	96	(89 - 114)	3.6	(0-20)	SW846 6010B	05/01-05/02/01	ECC8D1A9
		Dilution Factor: 1					
		Analysis Time..: 12:11					
Potassium	98	(87 - 110)			SW846 6010B	05/01-05/02/01	ECC8D1A4
	102	(87 - 110)	4.1	(0-20)	SW846 6010B	05/01-05/02/01	ECC8D1A5
		Dilution Factor: 1					
		Analysis Time..: 12:11					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D1D250279 **Matrix.....:** WATER
Date Sampled...: 04/24/01 16:00 **Date Received..:** 04/25/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1D250279-001 **Prep Batch #...:** 1120400									
Calcium									
	110	50.0	155	mg/L	90		SW846 6010B	05/01-05/02/01	ECC8D1A0
	110	50.0	161	mg/L	102	3.8	SW846 6010B	05/01-05/02/01	ECC8D1A1
			Dilution Factor: 1						
			Analysis Time..: 12:11						
Iron									
	1.4	1.00	2.37	mg/L	99		SW846 6010B	05/01-05/02/01	ECC8D1A2
	1.4	1.00	2.47	mg/L	109	3.8	SW846 6010B	05/01-05/02/01	ECC8D1A3
			Dilution Factor: 1						
			Analysis Time..: 12:11						
Magnesium									
	39.3	50.0	89.0	mg/L	99		SW846 6010B	05/01-05/02/01	ECC8D1A6
	39.3	50.0	92.3	mg/L	106	3.6	SW846 6010B	05/01-05/02/01	ECC8D1A7
			Dilution Factor: 1						
			Analysis Time..: 12:11						
Manganese									
	1.0	0.500	1.43 N	mg/L	85		SW846 6010B	05/01-05/02/01	ECC8D1A8
	1.0	0.500	1.49	mg/L	96	3.6	SW846 6010B	05/01-05/02/01	ECC8D1A9
			Dilution Factor: 1						
			Analysis Time..: 12:11						
Potassium									
	3.9	50.0	52.7	mg/L	98		SW846 6010B	05/01-05/02/01	ECC8D1A4
	3.9	50.0	54.9	mg/L	102	4.1	SW846 6010B	05/01-05/02/01	ECC8D1A5
			Dilution Factor: 1						
			Analysis Time..: 12:11						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D1D250279 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N		WO#:ECQ7P1AC-LCS/ECQ7P1AD-LCSD LCS Lot-Sample#: D1E030000-315					
	96	(91 - 111)			MCAWW 350.1	05/02/01	1123315
	95	(91 - 111)	0.26	(0-10)	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1					
Chloride		WO#:ECKD11AC-LCS/ECKD11AD-LCSD LCS Lot-Sample#: D1D300000-224					
	108	(92 - 109)			MCAWW 325.2	04/27/01	1120224
	106	(92 - 109)	1.5	(0-10)	MCAWW 325.2	04/27/01	1120224
		Dilution Factor: 1					
Nitrate-Nitrite		WO#:ECRL51AC-LCS/ECRL51AD-LCSD LCS Lot-Sample#: D1E030000-385					
	101	(90 - 110)			MCAWW 353.2	05/02/01	1123385
	100	(90 - 110)	0.24	(0-10)	MCAWW 353.2	05/02/01	1123385
		Dilution Factor: 1					
Sulfate		WO#:ECK4R1AC-LCS/ECK4R1AD-LCSD LCS Lot-Sample#: D1D300000-494					
	98	(88 - 110)			MCAWW 375.4	04/30/01	1120494
	103	(88 - 110)	4.9	(0-11)	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 1					
Total Alkalinity		WO#:ECQA41AC-LCS/ECQA41AD-LCSD LCS Lot-Sample#: D1E030000-189					
	101	(95 - 110)			MCAWW 310.1	05/01/01	1123189
	101	(95 - 110)	0.35	(0-5.0)	MCAWW 310.1	05/01/01	1123189
		Dilution Factor: 1					
Total Dissolved Solids		WO#:ECRF21AC-LCS/ECRF21AD-LCSD LCS Lot-Sample#: D1E030000-354					
	105	(86 - 106)			MCAWW 160.1	05/01/01	1123354
	106	(86 - 106)	1.1	(0-20)	MCAWW 160.1	05/01/01	1123354
		Dilution Factor: 1					
Total Organic Carbon		WO#:ECQHJ1AC-LCS/ECQHJ1AD-LCSD LCS Lot-Sample#: D1E020000-350					
	103	(90 - 110)			MCAWW 415.1	05/01/01	1122350
	103	(90 - 110)	0.03	(0-10)	MCAWW 415.1	05/01/01	1122350
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D1D250279 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N			WO#:ECQ7P1AC-LCS/ECQ7P1AD-LCSD			LCS Lot-Sample#: D1E030000-315		
	4.00	3.82	mg/L	96		MCAWW 350.1	05/02/01	1123315
	4.00	3.81	mg/L	95	0.26	MCAWW 350.1	05/02/01	1123315
			Dilution Factor: 1					
Chloride			WO#:ECKD11AC-LCS/ECKD11AD-LCSD			LCS Lot-Sample#: D1D300000-224		
	50.0	54.0	mg/L	108		MCAWW 325.2	04/27/01	1120224
	50.0	53.2	mg/L	106	1.5	MCAWW 325.2	04/27/01	1120224
			Dilution Factor: 1					
Nitrate-Nitrite			WO#:ECRL51AC-LCS/ECRL51AD-LCSD			LCS Lot-Sample#: D1E030000-385		
	4.00	4.03	mg/L	101		MCAWW 353.2	05/02/01	1123385
	4.00	4.02	mg/L	100	0.24	MCAWW 353.2	05/02/01	1123385
			Dilution Factor: 1					
Sulfate			WO#:ECK4R1AC-LCS/ECK4R1AD-LCSD			LCS Lot-Sample#: D1D300000-494		
	25.0	24.4	mg/L	98		MCAWW 375.4	04/30/01	1120494
	25.0	25.7	mg/L	103	4.9	MCAWW 375.4	04/30/01	1120494
			Dilution Factor: 1					
Total Alkalinity			WO#:ECQA41AC-LCS/ECQA41AD-LCSD			LCS Lot-Sample#: D1E030000-189		
	105	106	mg/L	101		MCAWW 310.1	05/01/01	1123189
	105	106	mg/L	101	0.35	MCAWW 310.1	05/01/01	1123189
			Dilution Factor: 1					
Total Dissolved Solids			WO#:ECRF21AC-LCS/ECRF21AD-LCSD			LCS Lot-Sample#: D1E030000-354		
	712	746	mg/L	105		MCAWW 160.1	05/01/01	1123354
	712	754	mg/L	106	1.1	MCAWW 160.1	05/01/01	1123354
			Dilution Factor: 1					
Total Organic Carbon			WO#:ECQHJ1AC-LCS/ECQHJ1AD-LCSD			LCS Lot-Sample#: D1E020000-350		
	25.0	25.8	mg/L	103		MCAWW 415.1	05/01/01	1122350
	25.0	25.7	mg/L	103	0.03	MCAWW 415.1	05/01/01	1122350
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D1D250279 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N		Work Order #: ECQ7P1AA		MB Lot-Sample #:	D1E030000-315	
	ND	0.10	mg/L	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1				
		Analysis Time..: 08:00				
Chloride		Work Order #: ECKD11AA		MB Lot-Sample #:	D1D300000-224	
	ND	2.5	mg/L	MCAWW 325.2	04/27/01	1120224
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Nitrate-Nitrite		Work Order #: ECRL51AA		MB Lot-Sample #:	D1E030000-385	
	ND	0.10	mg/L	MCAWW 353.2	05/02/01	1123385
		Dilution Factor: 1				
		Analysis Time..: 08:00				
Sulfate		Work Order #: ECK4R1AA		MB Lot-Sample #:	D1D300000-494	
	ND	5.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Total Alkalinity		Work Order #: ECQA41AA		MB Lot-Sample #:	D1E030000-189	
	ND	5.0	mg/L	MCAWW 310.1	05/01/01	1123189
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Dissolved Solids		Work Order #: ECRF21AA		MB Lot-Sample #:	D1E030000-354	
	ND	10.0	mg/L	MCAWW 160.1	05/01/01	1123354
		Dilution Factor: 1				
		Analysis Time..: 14:40				
Total Organic Carbon		Work Order #: ECQHJ1AA		MB Lot-Sample #:	D1E020000-350	
	ND	1.0	mg/L	MCAWW 415.1	05/01/01	1122350
		Dilution Factor: 1				
		Analysis Time..: 08:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D1D250279 **Matrix.....:** WATER
Date Sampled...: 04/19/01 09:30 **Date Received..:** 04/20/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N		WO#:	ECC9A1A0-MS/ECC9A1A1-MSD			MS Lot-Sample #:	D1D250279-011
	91	(91 - 111)			MCAWW 350.1	05/02/01	1123315
	91	(91 - 111)	0.43	(0-10)	MCAWW 350.1	05/02/01	1123315
		Dilution Factor: 1					
		Analysis Time..: 08:00					
Chloride		WO#:	ECC9E1A0-MS/ECC9E1A1-MSD			MS Lot-Sample #:	D1D250279-014
	98	(92 - 109)			MCAWW 325.2	04/27/01	1120224
	101	(92 - 109)	1.2	(0-10)	MCAWW 325.2	04/27/01	1120224
		Dilution Factor: 1					
		Analysis Time..: 13:00					
Nitrate-Nitrite		WO#:	ECC9A1A2-MS/ECC9A1A3-MSD			MS Lot-Sample #:	D1D250279-011
	98	(90 - 110)			MCAWW 353.2	05/02/01	1123385
	101	(90 - 110)	1.9	(0-10)	MCAWW 353.2	05/02/01	1123385
		Dilution Factor: 1					
		Analysis Time..: 08:00					
Sulfate		WO#:	ECHNN1A0-MS/ECHNN1A1-MSD			MS Lot-Sample #:	D1D270259-011
	100	(88 - 110)			MCAWW 375.4	04/30/01	1120494
	100	(88 - 110)	0.0	(0-11)	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 1					
		Analysis Time..: 13:00					
Total Organic Carbon		WO#:	EA5Q11EJ-MS/EA5Q11EK-MSD			MS Lot-Sample #:	D1D200186-002
	105	(90 - 110)			MCAWW 415.1	05/01/01	1122349
	105	(90 - 110)	0.26	(0-10)	MCAWW 415.1	05/01/01	1122349
		Dilution Factor: 1					
		Analysis Time..: 08:00					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D1D250279 **Matrix.....:** WATER
Date Sampled...: 04/19/01 09:30 **Date Received..:** 04/20/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N			WO#: ECC9A1A0-MS/ECC9A1A1-MSD				MS Lot-Sample #: D1D250279-011		
	ND	5.00	4.58	mg/L	91		MCAWW 350.1	05/02/01	1123315
	ND	5.00	4.56	mg/L	91	0.43	MCAWW 350.1	05/02/01	1123315
			Dilution Factor: 1						
			Analysis Time..: 08:00						
Chloride			WO#: ECC9E1A0-MS/ECC9E1A1-MSD				MS Lot-Sample #: D1D250279-014		
	53.0	50.0	102	mg/L	98		MCAWW 325.2	04/27/01	1120224
	53.0	50.0	103	mg/L	101	1.2	MCAWW 325.2	04/27/01	1120224
			Dilution Factor: 1						
			Analysis Time..: 13:00						
Nitrate-Nitrite			WO#: ECC9A1A2-MS/ECC9A1A3-MSD				MS Lot-Sample #: D1D250279-011		
	1.4	5.00	6.27	mg/L	98		MCAWW 353.2	05/02/01	1123385
	1.4	5.00	6.39	mg/L	101	1.9	MCAWW 353.2	05/02/01	1123385
			Dilution Factor: 1						
			Analysis Time..: 08:00						
Sulfate			WO#: ECHNN1A0-MS/ECHNN1A1-MSD				MS Lot-Sample #: D1D270259-011		
	172	250	421	mg/L	100		MCAWW 375.4	04/30/01	1120494
	172	250	421	mg/L	100	0.0	MCAWW 375.4	04/30/01	1120494
			Dilution Factor: 1						
			Analysis Time..: 13:00						
Total Organic Carbon			WO#: EA5Q11EJ-MS/EA5Q11EK-MSD				MS Lot-Sample #: D1D200186-002		
	11.4	25.0	37.7	mg/L	105		MCAWW 415.1	05/01/01	1122349
	11.4	25.0	37.6	mg/L	105	0.26	MCAWW 415.1	05/01/01	1122349
			Dilution Factor: 1						
			Analysis Time..: 08:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D1D250279 **Work Order #...:** ECE5P-SMP ECE5P-DUP **Matrix.....:** WATER

Date Sampled...: 04/25/01 01:00 **Date Received..:** 04/26/01

% Moisture.....: 100 **Dilution Factor:** **Initial Wgt/Vol:**

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D1D260267-001	
	329	333	mg/L	1.1	(0-5.0)	MCAWW 310.1	05/01/01	1123189

Dilution Factor: 1 Analysis Time..: 17:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D1D250279 **Work Order #...:** ECACR-SMP ECACR-DUP **Matrix.....:** WATER

Date Sampled...: 04/24/01 10:35 **Date Received..:** 04/24/01

% Moisture.....: 100 **Dilution Factor:** **Initial Wgt/Vol:**

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D1D240245-002		
	311	317	mg/L	1.9	(0-20)	MCAWW 160.1	05/01/01	1123354

Dilution Factor: 1 Analysis Time..: 14:40

HOLD TIME REPORT

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D250279001	SK-3S	04/24/01 16:00	8260B		6		14		04/30/01 17:27	VOA
D1D250279002	SK-2D	04/24/01 14:55	8260B		6		14		04/30/01 17:53	VOA
D1D250279003	SK-2S	04/24/01 14:35	8260B		7		14		05/01/01 14:21	VOA
D1D250279004	SK-5S	04/24/01 11:40	8260B		7		14		05/01/01 14:51	VOA
D1D250279005	SK-5D	04/24/01 12:20	8260B		7		14		05/01/01 15:19	VOA
D1D250279006	TRIP BLANK	04/24/01 00:00	8260B		6		14		04/30/01 19:36	VOA
D1D250279007	SK-1S	04/24/01 08:20	8260B		6		14		04/30/01 20:02	VOA
D1D250279008	SK-1S NP 18	04/23/01 14:28	8260B		7		14		04/30/01 20:27	VOA
D1D250279009	SK-1S AP 18	04/24/01 07:50	8260B		6		14		04/30/01 20:53	VOA
D1D250279010	SK-1D	04/24/01 09:10	8260B		6		14		04/30/01 16:19	VOA
D1D250279011	SK-6S	04/24/01 10:28	8260B		8		14		05/02/01 16:18	VOA
D1D250279012	FB-42401	04/24/01 07:45	8260B		6		14		04/30/01 17:05	VOA
D1D250279013	SK-3Z	04/24/01 17:00	8260B		6		14		04/30/01 17:27	VOA
D1D250279014	SK-3D	04/24/01 16:30	8260B		8		14		05/02/01 16:44	VOA
D1D250279015	TRIP BLANK	04/24/01 00:00	8260B		6		14		04/30/01 18:12	VOA

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: GC VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D250279001	SK-3S	04/24/01 16:00								
			SOP-175		13		14		05/07/01 15:14	
D1D250279002	SK-2D	04/24/01 14:55								
			SOP-175		13		14		05/07/01 15:20	
D1D250279003	SK-2S	04/24/01 14:35								
			SOP-175		13		14		05/07/01 15:27	
			SOP-175		13		14		05/07/01 15:35	
D1D250279004	SK-5S	04/24/01 11:40								
			SOP-175		13		14		05/07/01 15:42	
			SOP-175		13		14		05/07/01 15:53	
D1D250279005	SK-5D	04/24/01 12:20								
			SOP-175		13		14		05/07/01 16:00	
D1D250279007	SK-1S	04/24/01 08:20								
			SOP-175		13		14		05/07/01 16:07	
D1D250279010	SK-1D	04/24/01 09:10								
			SOP-175		13		14		05/07/01 17:17	
D1D250279011	SK-6S	04/24/01 10:28								
			SOP-175		13		14		05/07/01 17:23	
D1D250279013	SK-3Z	04/24/01 17:00								
			SOP-175		13		14		05/07/01 17:45	
D1D250279014	SK-3D	04/24/01 16:30								
			SOP-175		13		14		05/07/01 19:17	

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D250279001	SK-3S	04/24/01 16:00								
			6010B		8		180		05/02/01 12:03	ICP
			6010B		10		180		05/04/01 20:13	ICP
			6010B		15		180		05/09/01 03:53	ICP
D1D250279002	SK-2D	04/24/01 14:55								
			6010B		8		180		05/02/01 12:19	ICP
			6010B		10		180		05/04/01 20:17	ICP
			6010B		15		180		05/09/01 03:56	ICP
D1D250279003	SK-2S	04/24/01 14:35								
			6010B		8		180		05/02/01 12:23	ICP
			6010B		10		180		05/04/01 20:22	ICP
			6010B		15		180		05/09/01 04:00	ICP
D1D250279004	SK-5S	04/24/01 11:40								
			6010B		8		180		05/02/01 12:26	ICP
			6010B		10		180		05/04/01 20:27	ICP
			6010B		15		180		05/09/01 04:12	ICP
D1D250279005	SK-5D	04/24/01 12:20								
			6010B		8		180		05/02/01 12:38	ICP
			6010B		10		180		05/04/01 20:32	ICP
			6010B		15		180		05/09/01 04:16	ICP
D1D250279007	SK-1S	04/24/01 08:20								
			6010B		8		180		05/02/01 12:42	ICP
			6010B		10		180		05/04/01 20:37	ICP
			6010B		15		180		05/09/01 04:20	ICP
D1D250279010	SK-1D	04/24/01 09:10								
			6010B		8		180		05/02/01 12:46	ICP
			6010B		10		180		05/04/01 20:42	ICP
			6010B		15		180		05/09/01 04:23	ICP
D1D250279011	SK-6S	04/24/01 10:28								
			6010B		8		180		05/02/01 12:49	ICP
			6010B		10		180		05/04/01 20:56	ICP
			6010B		15		180		05/09/01 04:27	ICP
D1D250279013	SK-3Z	04/24/01 17:00								
			6010B		8		180		05/02/01 12:53	ICP
			6010B		10		180		05/04/01 21:01	ICP
			6010B		15		180		05/09/01 04:31	ICP
D1D250279014	SK-3D	04/24/01 16:30								
			6010B		8		180		05/02/01 12:57	ICP
			6010B		10		180		05/04/01 21:06	ICP
			6010B		15		180		05/09/01 04:35	ICP

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D250279001	SK-3S	04/24/01 16:00								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 14:40	TDS
			375.4		6		28		04/30/01 13:00	
D1D250279002	SK-2D	04/24/01 14:55								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 14:40	TDS
			375.4		6		28		04/30/01 13:00	
D1D250279003	SK-2S	04/24/01 14:35								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 00:00	TDS
			375.4		6		28		04/30/01 13:00	
D1D250279004	SK-5S	04/24/01 11:40								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 14:40	TDS
			375.4		6		28		04/30/01 13:00	

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D250279005	SK-5D	04/24/01 12:20								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 14:40	TDS
			375.4		6		28		04/30/01 13:00	
D1D250279007	SK-1S	04/24/01 08:20								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 14:40	TDS
			375.4		6		28		04/30/01 13:00	
D1D250279010	SK-1D	04/24/01 09:10								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 14:40	TDS
			375.4		6		28		04/30/01 13:00	
D1D250279011	SK-6S	04/24/01 10:28								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 14:40	TDS
			375.4		6		28		04/30/01 13:00	

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D250279013	SK-3Z	04/24/01 17:00								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 14:40	TDS
			375.4		6		28		04/30/01 13:00	
D1D250279014	SK-3D	04/24/01 16:30								
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			310.1		7		14		05/01/01 17:00	Alkalinity
			415.1		7		28		05/01/01 08:00	
			325.2		3		28		04/27/01 13:00	
			353.2		8		28		05/02/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/01/01 14:40	TDS
			375.4		6		28		04/30/01 13:00	

[redacted]

Chain of Custody Record

STL-4124 (0700) **DEN (0900)**

STL Denver
4955 Yarrow Street
Arvada, CO 80002

S-1C
JM
4-25-01

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Client	Safety-Kleen Consulting
Address	5777 Central Ave, Suite 100
City	Boulder
State	CO
Zip Code	80301
Project Name and Location (State)	S-K Wichita KS
Contract/Purchase Order/Quote No.	4699
Project Manager	Kay Tauscher
Telephone Number (Area Code)/Fax Number	303-938-5535 / 303-938-5520
Site Contact	Ron Robertson
Lab Contact	
Carrier/Waybill Number	
Date	04/24/01
Chain of Custody Number	045072
Lab Number	
Page ____ of ____	

	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	HNO3	TDS/Alk/Cl/SO4	VOCs	Diss. Gases	Total Metals	Dissolved Metals	TOC/NO3-NO2/NH3	Special Instructions/ Conditions of Receipt
1	SK-3S	04/24/01	1600		X			1	1		6			2	1	3	3	1	1	1	
2	SK-2D	04/24/01	1455		X			1	1		6			2	1	3	3	1	1	1	
3	SK-2S	04/24/01	1435		X			1	1		6			2	1	3	3	1	1	1	
4	SK-5S	04/24/01	1140		X			1	1		6			2	1	3	3	1	1	1	
5	SK-5D	04/24/01	1220		X			1	1		6			2	1	3	3	1	1	1	
6	Trip Blank	04/18/01	—		X						1					1					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

1. Relinquished By: Jeff Smith	Date: 04/24/01	Time: 1800	1. Received By: Jeff Mott	Date: 4-25-01	Time: 1000
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

[redacted]

Chain of Custody Record

STL-4124 (0700) **DEN (0900)**

STL Denver
4955 Yarrow Street
Arvada, CO 80002

4.4°C
JM 4-25-01

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Client	Safety-Kleen Consulting
Address	5777 Central Ave, Suite 100
City	Boulder
State	CO
Zip Code	80301
Project Name and Location (State)	SK-Wichita, Kansas
Contract/Purchase Order/Quote No.	9699
Project Manager	Kay Tauscher
Telephone Number (Area Code)/Fax Number	303-938-5535 / 303-938-5520
Site Contact	Ron Robertson
Lab Contact	
Carrier/Waybill Number	
Date	04/24/01
Chain of Custody Number	045070
Lab Number	
Page ____ of ____	

	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	HNO3	TDS/Alk/Cl/SO4	VOCs	Dis. Gas	Total Metal	Dis. Metal	TOC/NO3-NO2/NH3	Special Instructions/ Conditions of Receipt
7	SK-1S	04/24/01	820		X			1	1		6			2	1	3	3	1	1	1	
8	SK-1S NP 18.5	04/24/01	1428		X						3					3					
9	SK-1S AP 18.5	04/24/01	750		X						3					3					
10	SK-1D	04/24/01	910		X			1	1		6			2	1	3	3	1	1	1	
11	SK-6S	04/24/01	1028		X			1	1		6			2	1	3	3	1	1	1	
12	FB-42401	04/24/01	745		X						1					1					
13	SK-3Z	04/24/01	1700		X			1	1		6			2	1	3	3	1	1	1	
14	SK-3D	04/24/01	1630		X			1	1		6			2	1	3	3	1	1	1	
15	Trip Blank	04/18/01	—		X						1					1					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Dolf Sorth	04/24/01	1800	1. Received By: JM	4-25-01	1000
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

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Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: Safety-Kleen Consulting	Project Manager: Kay Tauscher	Date: 04/24/01	Chain of Custody Number: 045070
Address: 5777 Central Ave, Suite 100	Telephone Number (Area Code)/Fax Number: 303-938-5535 / 303-938-5520	Lab Number	Page ____ of ____
City: Boulder; State: CO; Zip Code: 80301	Site Contact: Ron Robertson	Lab Contact	
Project Name and Location (State): SK - Wichita, Kansas	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 7011			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	HNO3	TDS/NVK/Cl/SO4	VOCs	Dis. Gas	Total Metal	Dis. Metal	TOC/NO3-NO2/NH3	Special Instructions/ Conditions of Receipt
SK-1S	04/24/01	820		X			1	1		6			2	1	3	3	1	1	1	
SK-1S NP 18.5	04/23/01	1428		X						3					3					
SK-1D NP 18.5	04/24/01	750		X						3					3					
SK-1D	04/24/01	910		X			1	1		6			2	1	3	3	1	1	1	
SK-6S	04/24/01	1028		X			1	1		6			2	1	3	3	1	1	1	
FB-42401	04/24/01	745		X						1					1					
SK-3Z	04/24/01	1700		X			1	1		6			2	1	3	3	1	1	1	
SK-3D	04/24/01	1630		X			1	1		6			2	1	3	3	1	1	1	
Trip Blank	04/18/01	—		X						1					1					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	04/24/01	1800	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

[redacted]

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700)

Client: Safety-Kleen Consulting	Project Manager: Kay Tauscher	Date: 04/24/01	Chain of Custody Number: 045072
Address: 5777 Central Ave, Suite 100	Telephone Number (Area Code)/Fax Number: 303-938-5535 / 303-938-5520	Lab Number	Page ____ of ____
City: Boulder; State: CO; Zip Code: 80301	Site Contact: Ron Robertson	Lab Contact	
Project Name and Location (State): S-K Wichita KS	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 9699			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	HNO3	TDS/Alk/Cl/Sul	VOC's	Diss. Gases	Total Metals	Dissolved Metals	Tot/Diss Alkys (NP)	Special Instructions/ Conditions of Receipt
SK-3S	04/24/01	1600		X			1	1		6			2	1	3	3	1	1	1	
SK-3D	04/24/01	1455		X			1	1		6			2	1	3	3	1	1	1	
SK-2S	04/24/01	1435		X			1	1		6			2	1	3	3	1	1	1	
SK-5S	04/24/01	1140		X			1	1		6			2	1	3	3	1	1	1	
SK-5D	04/24/01	1220		X			1	1		6			2	1	3	3	1	1	1	
Trip Blank	04/18/01	—		X						1					1					

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [illegible]	04/24/01	1800	1. Received By		
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

SEVERN
TRENT
SERVICES

STL Denver
4955 Yarrow Street
Arvada, CO 80002-4517

Tel: 303 736 0100
Fax: 303 431 7171
www.stl-inc.com

ANALYTICAL REPORT

S-K WICHITA, KS.

Lot #: D1D270259

Kay Tauscher

Safety-Kleen Consulting
5777 Central Avenue, Suite 100
Boulder, CO 80301

SEVERN TRENT LABORATORIES, INC.

Kae E. Yoder
Project Manager

May 17, 2001

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- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Hold Time Report**
- **Chain-of-Custody**

CASE NARRATIVE

Client Name: Safety-Kleen (Wichita)
Project Name:
Project Number:
Sample Delivery Group: D1D270259
Narrative Date: 05/17/01

Sample Receipt

- Thirteen water samples, one Field Blank, one Rinse Blank and two Trip Blanks, submitted by Safety-Kleen (Wichita), Inc., were received by STL Denver on April 27, 2001, according to documented sample acceptance procedures. The samples were received intact at temperatures of 4.8°C and 5.0°C. Analyses requested on the associated chains-of-custody are as follows: GC/MS Volatiles, Dissolved Gases, Total Metals, Dissolved Metals and General Chemistry parameters.
- The Dissolved Gases analyses presented in this report were performed at the STL Austin facility.

GC/MS Volatiles

- Sample analysis did not reveal any detected target analytes at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
SK-SW-1	Benzene	1.4	1.0	ug/L
	cis-1,2-Dichloroethene	3.3	1.0	ug/L
	Naphthalene	1.0	1.0	ug/L
	Trichloroethene	3.9	1.0	ug/L
SK-SW-2	cis-1,2-Dichloroethene	3.4	1.0	ug/L
	Trichloroethene	3.8	1.0	ug/L
SK-SW-3	Trichloroethene	3.8	1.0	ug/L
SK-SW-4	Trichloroethene	4.0	1.0	ug/L
SK-SW-5	cis-1,2-Dichloroethene	1.0	1.0	ug/L
	Trichloroethene	4.7	1.0	ug/L
RSCI-1	Trichloroethene	3.1	1.0	ug/L
SK-4Z	1,1-Dichloroethane	5.7	5.0	ug/L
	cis-1,2-Dichloroethene	18	5.0	ug/L
	1,1-Dichloroethene	5.6	5.0	ug/L
	Tetrachloroethene	98	5.0	ug/L
	1,1,1-Trichloroethane	24	5.0	ug/L
	Trichloroethene	17	5.0	ug/L
SK-4S	1,1-Dichloroethane	5.9	5.0	ug/L
	cis-1,2-Dichloroethene	17	5.0	ug/L
	1,1-Dichloroethene	5.9	5.0	ug/L
	Tetrachloroethene	110	5.0	ug/L
	1,1,1-Trichloroethane	24	5.0	ug/L
	Trichloroethene	18	5.0	ug/L
HRI-03	Benzene	4.3	2.0	ug/L
	Carbon tetrachloride	7.0	2.0	ug/L
	Chloroform	2.6	2.0	ug/L
	cis-1,2-Dichloroethene	13	2.0	ug/L
	Tetrachloroethene	11	2.0	ug/L
	Trichloroethene	95	2.0	ug/L
UPMW-10	Naphthalene	140	20	ug/L

Sample ID	Parameter	Detection	RL	Units
UPMW-14	Trichloroethene	11	10	ug/L
WND-32	Carbon tetrachloride	17	1.0	ug/L
	Chloroform	44	1.0	ug/L
	cis-1,2-Dichloroethene	1.3	1.0	ug/L
	Methylene chloride	1.2	1.0	ug/L
	Trichloroethene	13	1.0	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.

- Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. In some cases, due to high target constituent concentration, samples were analyzed at a dilution. For diluted samples, the reporting limits have been adjusted relative to the dilution required. The following table details associated dilutions.

Sample ID	Dilution
SK-4Z	1:5
SK-4S	1:5
HRI-03	1:2
UPMW-10	1:20
UPMW-14	1:10

- Client specific, as well as, standard batch MS/MSD has been provided. All spike parameters were within QC control limits with the exception of the items noted in the following table. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Parameter	QC Batch/ Specific Sample	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Trichloroethene	QC Batch 1124391	101	123	81-121	19	0-20

Methane

- Sample analysis did not reveal any detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Parameter	Detection	RL	Units
RSCI-1	Methane	0.90	0.50	ug/L
SK-4Z	Methane	3.4	0.50	ug/L
SK-4S	Methane	3.3	0.50	ug/L
HRI-03	Methane	0.76	0.50	ug/L
UPMW-10	Ethane	0.82	0.50	ug/L
	Methane	520 E	0.50	ug/L
UPMW-10 RE	Methane	1300 D	25	ug/L
UPMW-11	Methane	1.4	0.50	ug/L
UPMW-14	Methane	420 E	0.50	ug/L
UPMW-14 RE	Methane	850 D	12	ug/L
WND-32	Methane	3.0	0.50	ug/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.

- Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. Samples UPMW-10 and UPMW-14 contained Methane at concentrations that were above the instruments linear calibration curve. The results in the analytical report have been flagged with an "E", as these are estimated results. The samples were reanalyzed with the necessary dilution. The reporting limits have been adjusted relative to the dilutions required and the results have been flagged with a "D", as these results were obtained from the analysis of a dilution. Both the original and reanalysis data have been provided. The following table details the associated dilutions.

Sample ID	Dilution
UPMW-10 RE	1:50
UPMW-14 RE	1:25

- Client specific, as well as, standard batch MS/MSD has been provided. All spike parameters were within QC control limits with the exception of the items noted in the following table. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Element	QC Batch/ Specific Sample	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Ethane	QC Batch 1131091	109	108	68-104	0.91	0-14
Ethene	QC Batch 1131091	140	146	69-102	0.45	0-15

Total and Dissolved Metals

- Sample analysis did not reveal any detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table.

Sample ID	Element	Detection	RL	Units
RSCI-1	Total Iron	12.8	0.10	mg/L
	Total Manganese	0.93	0.010	mg/L
	Dissolved Calcium	135	0.20	mg/L
	Dissolved Potassium	3.5	3.0	mg/L
	Dissolved Magnesium	53.2	0.20	mg/L
	Dissolved Manganese	0.18	0.010	mg/L
SK-4Z	Total Iron	495	0.20	mg/L
	Total Manganese	6.9	0.010	mg/L
	Dissolved Calcium	143	0.20	mg/L
	Dissolved Magnesium	39.2	0.20	mg/L
	Dissolved Manganese	1.9	0.010	mg/L
SK-4S	Total Iron	435	0.10	mg/L
	Total Manganese	5.9	0.010	mg/L
	Dissolved Calcium	144	0.20	mg/L
	Dissolved Magnesium	37.5	0.20	mg/L
	Dissolved Manganese	1.9	0.010	mg/L
HRI-03	Total Iron	4.6	0.10	mg/L
	Total Manganese	1.0	0.010	mg/L
	Dissolved Calcium	123	0.20	mg/L
	Dissolved Iron	0.25	0.10	mg/L
	Dissolved Magnesium	45.4	0.20	mg/L
	Dissolved Manganese	0.047	0.010	mg/L
UPMW-10	Total Iron	188	0.10	mg/L
	Total Manganese	3.8	0.010	mg/L
	Dissolved Calcium	98.8	0.20	mg/L
	Dissolved Iron	1.2	0.10	mg/L

Sample ID	Element	Detection	RL	Units
UPMW-10	Dissolved Magnesium	27.1	0.20	mg/L
	Dissolved Manganese	1.1	0.010	mg/L
UPMW-11	Total Iron	152	0.10	mg/L
	Total Manganese	1.4	0.010	mg/L
	Dissolved Calcium	287	0.20	mg/L
	Dissolved Potassium	3.0	3.0	mg/L
	Dissolved Magnesium	19.1	0.20	mg/L
UPMW-14	Total Iron	285	0.10	mg/L
	Total Manganese	5.7	0.010	mg/L
	Dissolved Calcium	119	0.20	mg/L
	Dissolved Iron	6.8	0.10	mg/L
	Dissolved Magnesium	31.1	0.20	mg/L
	Dissolved Manganese	2.8	0.010	mg/L
WND-32	Total Iron	51.8	0.10	mg/L
	Total Manganese	4.9	0.010	mg/L
	Dissolved Calcium	124	0.20	mg/L
	Dissolved Potassium	5.1	3.0	mg/L
	Dissolved Magnesium	31.8	0.20	mg/L
	Dissolved Manganese	2.0	0.010	mg/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.

- Each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high target constituent concentration, the Total Iron analysis for sample SK-4Z was performed at a 1:2 dilution. The reporting limit has been adjusted relative to the dilution required.

General Chemistry

- Sample analysis did not reveal any detectable concentrations at or above Safety-Kleen (Wichita)'s RLs, with the exception of the items noted in the following table. In addition, each sample was analyzed to achieve the lowest possible reporting limits within the constraints of the methods. In some cases, due to interferences or analytes present above the linear calibration curve, analyses were performed at a dilution. For diluted analyses, results have been flagged accordingly, and the reporting limits have been adjusted relative to the dilution required. Associated dilutions are also detailed in the following table.

Q = The reporting limit is elevated due to high analyte levels.
G = The reporting limit is elevated due to matrix interferences.

Sample ID	Parameter	Detection	Dilution	RL	Units
RSCI-1	Bicarbonate Alkalinity	328	1	5.0	mg/L
	Chloride	77.9	1	2.5	mg/L
	Nitrate-Nitrite	3.4	1	0.10	mg/L
	Sulfate	228 Q	1:10	50.0	mg/L
	Total Alkalinity	328	1	5.0	mg/L
	Total Dissolved Solids	862	1	10.0	mg/L
	Total Organic Carbon	2.0	1	1.0	mg/L
SK-4Z	Ammonia Nitrogen	0.10	1	0.10	mg/L
	Bicarbonate Alkalinity	386	1	5.0	mg/L
	Chloride	32.3	1	2.5	mg/L
	Nitrate-Nitrite	2.1	1	0.10	mg/L

Sample ID	Parameter	Detection	Dilution	RL	Units
SK-4Z	Sulfate	200 Q	1:5	25.0	mg/L
	Total Alkalinity	386	1	5.0	mg/L
	Total Dissolved Solids	970 G	1:10	100	mg/L
	Total Organic Carbon	4.0	1	1.0	mg/L
SK-4S	Bicarbonate Alkalinity	383	1	5.0	mg/L
	Chloride	32.0	1	2.5	mg/L
	Nitrate-Nitrite	2.4	1	0.10	mg/L
	Sulfate	172 Q	1:10	50.0	mg/L
	Total Alkalinity	383	1	5.0	mg/L
	Total Dissolved Solids	1040 G	1:5	50.0	mg/L
	Total Organic Carbon	5.9	1	1.0	mg/L
HRI-03	Bicarbonate Alkalinity	298	1	5.0	mg/L
	Chloride	60.7	1	2.5	mg/L
	Nitrate-Nitrite	2.6	1	0.10	mg/L
	Sulfate	229 Q	1:5	25.0	mg/L
	Total Alkalinity	298	1	5.0	mg/L
	Total Dissolved Solids	781	1	10.0	mg/L
	Total Organic Carbon	3.9	1	1.0	mg/L
UPMW-10	Ammonia Nitrogen	0.30	1	0.10	mg/L
	Bicarbonate Alkalinity	450	1	5.0	mg/L
	Chloride	53.3	1	2.5	mg/L
	Sulfate	10.3	1	5.0	mg/L
	Total Alkalinity	450	1	5.0	mg/L
	Total Dissolved Solids	592	1	10.0	mg/L
	Total Organic Carbon	14.6	1	1.0	mg/L
UPMW-11	Ammonia Nitrogen	0.13	1	0.10	mg/L
	Bicarbonate Alkalinity	116	1	5.0	mg/L
	Chloride	6.7	1	2.5	mg/L
	Nitrate-Nitrite	2.4	1	0.10	mg/L
	Sulfate	741 Q	1:20	100	mg/L
	Total Alkalinity	116	1	5.0	mg/L
	Total Dissolved Solids	313	1	10.0	mg/L
	Total Organic Carbon	10.9	1	1.0	mg/L
UPMW-14	Ammonia Nitrogen	0.39	1	0.10	mg/L
	Bicarbonate Alkalinity	459	1	5.0	mg/L
	Chloride	51.1	1	2.5	mg/L
	Sulfate	29.0	1	5.0	mg/L
	Total Alkalinity	459	1	5.0	mg/L
	Total Dissolved Solids	488 G	1:2	20.0	mg/L
	Total Organic Carbon	12.9	1	1.0	mg/L
WND-32	Ammonia Nitrogen	0.22	1	0.10	mg/L
	Bicarbonate Alkalinity	321	1	5.0	mg/L
	Chloride	108	1	2.5	mg/L
	Nitrate-Nitrite	6.7	1	0.10	mg/L
	Sulfate	164 Q	1:5	25.0	mg/L
	Total Alkalinity	321	1	5.0	mg/L
	Total Dissolved Solids	693 G	1:3.33	33.3	mg/L
	Total Organic Carbon	7.4	1	1.0	mg/L

- The samples were analyzed within holding time and without incident, with the exception of the following items noted.

- The Total Dissolved Solids analysis, for sample WND-32, was performed two days outside the recommended sample holding time. It can be noted that the original analysis was performed within the holding time; however, due to inconsistencies associated with the analysis (conductivity screen, ion balance), the laboratory felt the data was not reportable. Upon reanalysis, which was performed unavoidably outside the sample holding time, all quality control acceptance criteria were met. The client was notified, and instructed the laboratory to report the data from the analysis performed two days outside the recommended sample holding time.

- Client specific, as well as, standard batch MS/MSD has been provided. All spike parameters were within QC control limits with the exception of the items noted in the following table. The acceptable LCS/LCSD analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

Element	QC Batch/ Specific Sample	MS %Rec	MSD %Rec	Recovery Limits	RPD	RPD Limits
Ammonia Nitrogen	UPMW-10	69	69	91-111	0.0	0-10

- Please note that the Chloride MS/MSD associated with QC batch 1128242 also supports QC batch 1128241.

These data and reporting limits are being used specifically to meet the needs of this project. All RLs are supported by STL Denver's Method Detection Limits (MDLs). Reporting limits in this report are at or above the MDL.

I certify that the data presented in this report are accurate, complete, and meets the minimum quality assurance standards in 40-CFR 136, 40-CFR 141, and/or SW846. The results included in this report have been reviewed for compliance with the laboratory QA/QC plan and meet all requirements of NELAC. An assessment of the quality of the data, noting any exceptions, outliers, and/or problems encountered have been narrated herein.

Kae E. Yoder
Project Manager

5/17/01
Date

EXECUTIVE SUMMARY - Detection Highlights

D1D270259

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-SW-1 04/25/01 08:30 001				
Benzene	1.4	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3.3	1.0	ug/L	SW846 8260B
Naphthalene	1.0	1.0	ug/L	SW846 8260B
Trichloroethene	3.9	1.0	ug/L	SW846 8260B
SK-SW-2 04/25/01 08:55 002				
cis-1,2-Dichloroethene	3.4	1.0	ug/L	SW846 8260B
Trichloroethene	3.8	1.0	ug/L	SW846 8260B
SK-SW-3 04/25/01 09:15 003				
Trichloroethene	3.8	1.0	ug/L	SW846 8260B
SK-SW-4 04/25/01 09:35 004				
Trichloroethene	4.0	1.0	ug/L	SW846 8260B
SK-SW-5 04/25/01 09:50 005				
cis-1,2-Dichloroethene	1.0	1.0	ug/L	SW846 8260B
Trichloroethene	4.7	1.0	ug/L	SW846 8260B
RSCI-1 04/25/01 13:40 009				
Methane	0.90	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	135	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.5	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	53.2	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.18	0.010	mg/L	SW846 6010B
Iron	12.8	0.10	mg/L	SW846 6010B
Manganese	0.93	0.010	mg/L	SW846 6010B
Trichloroethene	3.1	1.0	ug/L	SW846 8260B
Total Dissolved Solids	862	10.0	mg/L	MCAWW 160.1
Chloride	77.9	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	3.4	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	2.0	1.0	mg/L	MCAWW 415.1
Sulfate	228 Q	50.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	328	5.0	mg/L	MCAWW 310.1
Total Alkalinity	328	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

D1D270259

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-4Z 04/25/01 10:50 010				
Methane	3.4	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	143	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	39.2	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	1.9	0.010	mg/L	SW846 6010B
Iron	495	0.20	mg/L	SW846 6010B
Manganese	6.9	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	5.7	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	18	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	5.6	5.0	ug/L	SW846 8260B
Tetrachloroethene	98	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	24	5.0	ug/L	SW846 8260B
Trichloroethene	17	5.0	ug/L	SW846 8260B
Total Dissolved Solids	970 G	100	mg/L	MCAWW 160.1
Chloride	32.3	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	2.1	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	4.0	1.0	mg/L	MCAWW 415.1
Sulfate	200 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	386	5.0	mg/L	MCAWW 310.1
Total Alkalinity	386	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.10	0.10	mg/L	MCAWW 350.1
SK-4S 04/25/01 10:40 011				
Methane	3.3	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	144	0.20	mg/L	SW846 6010B
Magnesium - DISSOLVED	37.5	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	1.9	0.010	mg/L	SW846 6010B
Iron	435	0.10	mg/L	SW846 6010B
Manganese	5.9	0.010	mg/L	SW846 6010B
1,1-Dichloroethane	5.9	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	17	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	5.9	5.0	ug/L	SW846 8260B
Tetrachloroethene	110	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	24	5.0	ug/L	SW846 8260B
Trichloroethene	18	5.0	ug/L	SW846 8260B
Total Dissolved Solids	1040 G	50.0	mg/L	MCAWW 160.1
Chloride	32.0	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	2.4	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	5.9	1.0	mg/L	MCAWW 415.1
Sulfate	172 Q	50.0	mg/L	MCAWW 375.4

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EXECUTIVE SUMMARY - Detection Highlights

D1D270259

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SK-4S 04/25/01 10:40 011				
Bicarbonate Alkalinity	39.0	5.0	mg/L	MCAWW 310.1
Total Alkalinity	383	5.0	mg/L	MCAWW 310.1
HRI-03 04/25/01 11:50 012				
Methane	0.76	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	123	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	0.25	0.10	mg/L	SW846 6010B
Magnesium - DISSOLVED	45.4	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	0.047	0.010	mg/L	SW846 6010B
Iron	4.6	0.10	mg/L	SW846 6010B
Manganese	1.0	0.010	mg/L	SW846 6010B
Benzene	4.3	2.0	ug/L	SW846 8260B
Carbon tetrachloride	7.0	2.0	ug/L	SW846 8260B
Chloroform	2.6	2.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	13	2.0	ug/L	SW846 8260B
Tetrachloroethene	11	2.0	ug/L	SW846 8260B
Trichloroethene	95	2.0	ug/L	SW846 8260B
Total Dissolved Solids	781	10.0	mg/L	MCAWW 160.1
Chloride	60.7	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	2.6	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	3.9	1.0	mg/L	MCAWW 415.1
Sulfate	229 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	298	5.0	mg/L	MCAWW 310.1
Total Alkalinity	298	5.0	mg/L	MCAWW 310.1
UPMW-10 04/25/01 14:45 014				
Ethane	0.82	0.50	ug/L	RSK SOP-175
Methane	520 E	0.50	ug/L	RSK SOP-175
Methane	1300 D	25	ug/L	RSK SOP-175
Calcium - DISSOLVED	98.8	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	1.2	0.10	mg/L	SW846 6010B
Magnesium - DISSOLVED	27.1	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	1.1	0.010	mg/L	SW846 6010B
Iron	188	0.10	mg/L	SW846 6010B
Manganese	3.8	0.010	mg/L	SW846 6010B
Naphthalene	140	20	ug/L	SW846 8260B
Total Dissolved Solids	592	10.0	mg/L	MCAWW 160.1

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EXECUTIVE SUMMARY - Detection Highlights

D1D270259

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
UPMW-10 04/25/01 14:45 014				
Chloride	53.3	2.5	mg/L	MCAWW 325.2
Total Organic Carbon	14.6	1.0	mg/L	MCAWW 415.1
Sulfate	10.3	5.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	450	5.0	mg/L	MCAWW 310.1
Total Alkalinity	450	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.30	0.10	mg/L	MCAWW 350.1
UPMW-11 04/25/01 14:05 015				
Methane	1.4	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	287	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	3.0	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	19.1	0.20	mg/L	SW846 6010B
Iron	152	0.10	mg/L	SW846 6010B
Manganese	1.4	0.010	mg/L	SW846 6010B
Total Dissolved Solids	313	10.0	mg/L	MCAWW 160.1
Chloride	6.7	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	2.4	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	10.9	1.0	mg/L	MCAWW 415.1
Sulfate	741 Q	100	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	116	5.0	mg/L	MCAWW 310.1
Total Alkalinity	116	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.13	0.10	mg/L	MCAWW 350.1
UPMW-14 04/25/01 15:05 016				
Methane	420 E	0.50	ug/L	RSK SOP-175
Methane	850 D	12	ug/L	RSK SOP-175
Calcium - DISSOLVED	119	0.20	mg/L	SW846 6010B
Iron - DISSOLVED	6.8	0.10	mg/L	SW846 6010B
Magnesium - DISSOLVED	31.1	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	2.8	0.010	mg/L	SW846 6010B
Iron	285	0.10	mg/L	SW846 6010B
Manganese	5.7	0.010	mg/L	SW846 6010B
Trichloroethene	11	10	ug/L	SW846 8260B
Total Dissolved Solids	488 G	20.0	mg/L	MCAWW 160.1
Chloride	51.1	2.5	mg/L	MCAWW 325.2
Total Organic Carbon	12.9	1.0	mg/L	MCAWW 415.1
Sulfate	29.0	5.0	mg/L	MCAWW 375.4

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EXECUTIVE SUMMARY - Detection Highlights

D1D270259

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
UPMW-14 04/25/01 15:05 016				
Bicarbonate Alkalinity	459	5.0	mg/L	MCAWW 310.1
Total Alkalinity	459	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.39	0.10	mg/L	MCAWW 350.1
WND-32 04/25/01 14:25 017				
Methane	3.0	0.50	ug/L	RSK SOP-175
Calcium - DISSOLVED	124	0.20	mg/L	SW846 6010B
Potassium - DISSOLVED	5.1	3.0	mg/L	SW846 6010B
Magnesium - DISSOLVED	31.8	0.20	mg/L	SW846 6010B
Manganese - DISSOLVED	2.0	0.010	mg/L	SW846 6010B
Iron	51.8	0.10	mg/L	SW846 6010B
Manganese	4.9	0.010	mg/L	SW846 6010B
Carbon tetrachloride	17	1.0	ug/L	SW846 8260B
Chloroform	44	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.3	1.0	ug/L	SW846 8260B
Methylene chloride	1.2	1.0	ug/L	SW846 8260B
Trichloroethene	13	1.0	ug/L	SW846 8260B
Total Dissolved Solids	693 G	33.3	mg/L	MCAWW 160.1
Chloride	108	2.5	mg/L	MCAWW 325.2
Nitrate-Nitrite	6.7	0.10	mg/L	MCAWW 353.2
Total Organic Carbon	7.4	1.0	mg/L	MCAWW 415.1
Sulfate	164 Q	25.0	mg/L	MCAWW 375.4
Bicarbonate Alkalinity	321	5.0	mg/L	MCAWW 310.1
Total Alkalinity	321	5.0	mg/L	MCAWW 310.1
Ammonia as N	0.22	0.10	mg/L	MCAWW 350.1

METHODS SUMMARY

D1D270259

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Alkalinity	MCAWW 310.1	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2	MCAWW 325.2
Dissolved Gases in Water	RSK SOP-175	EPA-9 RSK-175
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3005A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3010A
Nitrate-Nitrite	MCAWW 353.2	MCAWW 353.2
Nitrogen, Ammonia	MCAWW 350.1	MCAWW 350.1
Sulfate	MCAWW 375.4	MCAWW 375.4
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D1D270259

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 160.1	Dave Elkin	000901
MCAWW 310.1	Ewa Kudla	001167
MCAWW 325.2	Maria Fayard	002596
MCAWW 350.1	Sara Agner	008534
MCAWW 353.2	Sara Agner	008534
MCAWW 375.4	Maria Fayard	002596
MCAWW 415.1	Sara Agner	008534
RSK SOP-175	William Jaycox	800012
SW846 6010B	Jeff Somers	008217
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Steve Mustain	006720
SW846 8260B	Josh Yanez	001198
SW846 8260B	Steve Szocik	002410

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

RSK Sample Prep and Calculations for Dissolved Gas Analysis in Water Samples Using a GC Headspace Equilibration Technique, RSKSOP-175, REV. 0, 8/11/94, USEPA Research Lab

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D1D270259

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ECHLP	001	SK-SW-1	04/25/01	08:30
ECHLX	002	SK-SW-2	04/25/01	08:55
ECHL2	003	SK-SW-3	04/25/01	09:15
ECHL4	004	SK-SW-4	04/25/01	09:35
ECHL7	005	SK-SW-5	04/25/01	09:50
ECHMA	006	TRIP BLANK	04/25/01	
ECHMT	007	FB-42501	04/25/01	11:00
ECHM2	008	RB-01	04/25/01	11:15
ECHNF	009	RSCI-1	04/25/01	13:40
ECHNK	010	SK-4Z	04/25/01	10:50
ECHNN	011	SK-4S	04/25/01	10:40
ECHNQ	012	HRI-03	04/25/01	11:50
ECHNT	013	TRIP BLANK	04/25/01	
ECHNW	014	UPMW-10	04/25/01	14:45
ECHN3	015	UPMW-11	04/25/01	14:05
ECHN5	016	UPMW-14	04/25/01	15:05
ECHN9	017	WND-32	04/25/01	14:25

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- [illegible] calculations are performed before rounding to avoid round-off errors in calculated results.
- [illegible]sults noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-1

GC/MS Volatiles

Lot-Sample #...: D1D270259-001 Work Order #...: ECHLP1AA Matrix.....: WATER
Date Sampled...: 04/25/01 08:30 Date Received..: 04/27/01
Prep Date.....: 05/03/01 Analysis Date..: 05/03/01
Prep Batch #...: 1127166 Analysis Time..: 14:28
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**1.4**	**1.0**	**ug/L**
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**3.3**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-1

GC/MS Volatiles

Lot-Sample #...: D1D270259-001 **Work Order #...:** ECHLP1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	**1.0**	**1.0**	**ug/L**
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**3.9**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
inyl chloride	ND	1.0	ug/L
-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	105	(72 - 127)
4-Bromofluorobenzene	105	(79 - 119)
Toluene-d8	98	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-2

GC/MS Volatiles

Lot-Sample #...: D1D270259-002 **Work Order #...:** ECHLX1AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 08:55 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 14:51
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**3.4**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-2

GC/MS Volatiles

Lot-Sample #...: D1D270259-002 **Work Order #...:** ECHLX1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**3.8**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	103	(72 - 127)
4-Bromofluorobenzene	104	(79 - 119)
Toluene-d8	99	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-3

GC/MS Volatiles

Lot-Sample #...: D1D270259-003 **Work Order #...:** ECHL21AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 09:15 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 15:14
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-3

GC/MS Volatiles

Lot-Sample #...: D1D270259-003 **Work Order #...:** ECHL21AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**3.8**	**1.0**	**ug/L**
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	103	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	99	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-4

GC/MS Volatiles

Lot-Sample #...: D1D270259-004 **Work Order #...:** ECHL41AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 09:35 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 15:37
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-4

GC/MS Volatiles

Lot-Sample #...: D1D270259-004 **Work Order #...:** ECHL41AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Isopropylbenzene	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**4.0**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	100	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-5

GC/MS Volatiles

Lot-Sample #...: D1D270259-005 **Work Order #...:** ECHL71AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 09:50 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 16:00
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.0**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-SW-5

GC/MS Volatiles

Lot-Sample #...: D1D270259-005 **Work Order #...:** ECHL71AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**4.7**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	100	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D1D270259-006
Date Sampled...: 04/25/01
Prep Date.....: 05/03/01
Prep Batch #...: 1127166
Dilution Factor: 1

Work Order #...: ECHMA1AA
Date Received..: 04/27/01
Analysis Date..: 05/03/01
Analysis Time..: 16:23

Matrix.....: WATER

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D1D270259-006 **Work Order #...:** ECHMA1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	98	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
Toluene-d8	100	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: FB-42501

GC/MS Volatiles

Lot-Sample #...: D1D270259-007 **Work Order #...:** ECHMT1AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 11:00 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 16:46
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: FB-42501

GC/MS Volatiles

Lot-Sample #...: D1D270259-007 **Work Order #...:** ECHMT1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	98	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
Toluene-d8	101	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: RB-01

GC/MS Volatiles

Lot-Sample #...: D1D270259-008 **Work Order #...:** ECHM21AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 11:15 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 17:08
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: RB-01

GC/MS Volatiles

Lot-Sample #...: D1D270259-008 **Work Order #...:** ECHM21AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(80 - 120)
1,2-Dichloroethane-d4	98	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
Toluene-d8	100	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: RSCI-1

GC/MS Volatiles

Lot-Sample #...: D1D270259-009 **Work Order #...:** ECHNF1AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 13:40 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 17:31
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: RSCI-1

GC/MS Volatiles

Lot-Sample #...: D1D270259-009 **Work Order #...:** ECHNF1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**3.1**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Xylene & p-Xylene	ND	2.0	ug/L
-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
1,2-Dichloroethane-d4	97	(72 - 127)
4-Bromofluorobenzene	101	(79 - 119)
Toluene-d8	102	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4Z

GC/MS Volatiles

Lot-Sample #...: D1D270259-010 **Work Order #...:** ECHNK1AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 10:50 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 12:54
Dilution Factor: 5

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	10	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
n-Butylbenzene	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chlorodibromomethane	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
2-Chlorotoluene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	10	ug/L
1,1-Dichloroethane	**5.7**	**5.0**	**ug/L**
1,2-Dichloroethane	ND	5.0	ug/L
cis-1,2-Dichloroethene	**18**	**5.0**	**ug/L**
trans-1,2-Dichloroethene	ND	2.5	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
2,2-Dichloropropane	ND	25	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
1,1-Dichloroethene	**5.6**	**5.0**	**ug/L**
1,2-Dichloropropane	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-4Z

GC/MS Volatiles

Lot-Sample #...: D1D270259-010 **Work Order #...:** ECHNK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/L
Naphthalene	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	**98**	**5.0**	**ug/L**
Toluene	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
1,1,1-Trichloroethane	**24**	**5.0**	**ug/L**
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	**17**	**5.0**	**ug/L**
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
o-Xylene	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	98	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	101	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4S

GC/MS Volatiles

Lot-Sample #...: D1D270259-011 **Work Order #...:** ECHNN1AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 10:40 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 17:54
Dilution Factor: 5

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/L
Bromobenzene	ND	5.0	ug/L
Bromochloromethane	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
Bromomethane	ND	10	ug/L
n-Butylbenzene	ND	5.0	ug/L
sec-Butylbenzene	ND	5.0	ug/L
tert-Butylbenzene	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chlorodibromomethane	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dibromoethane (EDB)	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
1,2-Dichlorobenzene	ND	5.0	ug/L
4-Chlorotoluene	ND	5.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L
1,3-Dichlorobenzene	ND	5.0	ug/L
Chloromethane	ND	10	ug/L
2-Chlorotoluene	ND	5.0	ug/L
1,4-Dichlorobenzene	ND	5.0	ug/L
Dichlorodifluoromethane	ND	10	ug/L
1,1-Dichloroethane	**5.9**	**5.0**	**ug/L**
1,2-Dichloroethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
1,3-Dichloropropane	ND	5.0	ug/L
cis-1,2-Dichloroethene	**17**	**5.0**	**ug/L**
trans-1,2-Dichloroethene	ND	2.5	ug/L
1,1-Dichloroethene	**5.9**	**5.0**	**ug/L**
2,2-Dichloropropane	ND	25	ug/L
1,1-Dichloropropene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Hexachlorobutadiene	ND	5.0	ug/L
Isopropylbenzene	ND	5.0	ug/L
p-Isopropyltoluene	ND	5.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: SK-4S

GC/MS Volatiles

Lot-Sample #...: D1D270259-011 **Work Order #...:** ECHNN1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	5.0	ug/L
Naphthalene	ND	5.0	ug/L
n-Propylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Tetrachloroethene	**110**	**5.0**	**ug/L**
Toluene	ND	5.0	ug/L
1,2,3-Trichlorobenzene	ND	5.0	ug/L
1,2,4-Trichloro-benzene	ND	5.0	ug/L
1,1,1-Trichloroethane	**24**	**5.0**	**ug/L**
1,1,2-Trichloroethane	ND	5.0	ug/L
Trichloroethene	**18**	**5.0**	**ug/L**
Trichlorofluoromethane	ND	10	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
1,2,4-Trimethylbenzene	ND	5.0	ug/L
1,3,5-Trimethylbenzene	ND	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L
m-Xylene & p-Xylene	ND	10	ug/L
o-Xylene	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
1,2-Dichloroethane-d4	94	(72 - 127)
4-Bromofluorobenzene	100	(79 - 119)
Toluene-d8	103	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: HRI-03

GC/MS Volatiles

Lot-Sample #...: D1D270259-012 **Work Order #...:** ECHNQ1AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 11:50 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 18:17
Dilution Factor: 2

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
Benzene	**4.3**	**2.0**	**ug/L**
Bromobenzene	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
Bromomethane	ND	4.0	ug/L
Carbon tetrachloride	**7.0**	**2.0**	**ug/L**
Chlorobenzene	ND	2.0	ug/L
tert-Butylbenzene	ND	2.0	ug/L
n-Butylbenzene	ND	2.0	ug/L
sec-Butylbenzene	ND	2.0	ug/L
Chlorodibromomethane	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Chloroform	**2.6**	**2.0**	**ug/L**
Chloromethane	ND	4.0	ug/L
2-Chlorotoluene	ND	2.0	ug/L
4-Chlorotoluene	ND	2.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	4.0	ug/L
1,2-Dibromoethane (EDB)	ND	2.0	ug/L
Dibromomethane	ND	2.0	ug/L
1,2-Dichlorobenzene	ND	2.0	ug/L
1,3-Dichlorobenzene	ND	2.0	ug/L
1,4-Dichlorobenzene	ND	2.0	ug/L
Dichlorodifluoromethane	ND	4.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
cis-1,2-Dichloroethene	**13**	**2.0**	**ug/L**
trans-1,2-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
1,3-Dichloropropane	ND	2.0	ug/L
2,2-Dichloropropane	ND	10	ug/L
1,1-Dichloropropene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Hexachlorobutadiene	ND	2.0	ug/L
Isopropylbenzene	ND	2.0	ug/L
p-Isopropyltoluene	ND	2.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: HRI-03

GC/MS Volatiles

Lot-Sample #...: D1D270259-012 **Work Order #...:** ECHNQ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	2.0	ug/L
Naphthalene	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Tetrachloroethene	**11**	**2.0**	**ug/L**
Toluene	ND	2.0	ug/L
n-Propylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
1,1,1,2-Tetrachloroethane	ND	2.0	ug/L
1,2,3-Trichlorobenzene	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	2.0	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Trichloroethene	**95**	**2.0**	**ug/L**
Trichlorofluoromethane	ND	4.0	ug/L
1,2,3-Trichloropropane	ND	2.0	ug/L
1,2,4-Trimethylbenzene	ND	2.0	ug/L
1,3,5-Trimethylbenzene	ND	2.0	ug/L
Vinyl chloride	ND	2.0	ug/L
m-Xylene & p-Xylene	ND	4.0	ug/L
o-Xylene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
1,2-Dichloroethane-d4	93	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	103	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D1D270259-013 **Work Order #...:** ECHNT1AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1124391 **Analysis Time..:** 21:30
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D1D270259-013 **Work Order #...:** ECHNT1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
p-Isopropyltoluene	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	110	(72 - 127)
4-Bromofluorobenzene	109	(79 - 119)
Toluene-d8	98	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-10

GC/MS Volatiles

Lot-Sample #...: D1D270259-014 **Work Order #...:** ECHNW1AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 14:45 **Date Received..:** 04/27/01
Prep Date.....: 05/04/01 **Analysis Date..:** 05/04/01
Prep Batch #...: 1128248 **Analysis Time..:** 15:52
Dilution Factor: 20

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	20	ug/L
Bromodichloromethane	ND	20	ug/L
Benzene	ND	20	ug/L
Bromobenzene	ND	20	ug/L
Bromoform	ND	20	ug/L
Bromomethane	ND	40	ug/L
n-Butylbenzene	ND	20	ug/L
sec-Butylbenzene	ND	20	ug/L
tert-Butylbenzene	ND	20	ug/L
Carbon tetrachloride	ND	20	ug/L
Chlorobenzene	ND	20	ug/L
Chlorodibromomethane	ND	20	ug/L
Chloroethane	ND	40	ug/L
Chloroform	ND	20	ug/L
Chloromethane	ND	40	ug/L
2-Chlorotoluene	ND	20	ug/L
4-Chlorotoluene	ND	20	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	40	ug/L
1,2-Dibromoethane (EDB)	ND	20	ug/L
Dibromomethane	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
Dichlorodifluoromethane	ND	40	ug/L
1,1-Dichloroethane	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
1,2-Dichloroethane	ND	20	ug/L
cis-1,2-Dichloroethene	ND	20	ug/L
trans-1,2-Dichloroethene	ND	10	ug/L
1,1-Dichloroethene	ND	20	ug/L
1,2-Dichloropropane	ND	20	ug/L
1,3-Dichloropropane	ND	20	ug/L
2,2-Dichloropropane	ND	100	ug/L
1,1-Dichloropropene	ND	20	ug/L
Ethylbenzene	ND	20	ug/L
Hexachlorobutadiene	ND	20	ug/L
Isopropylbenzene	ND	20	ug/L
p-Isopropyltoluene	ND	20	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-10

GC/MS Volatiles

Lot-Sample #...: D1D270259-014 **Work Order #...:** ECHNW1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	20	ug/L
Naphthalene	**140**	**20**	**ug/L**
n-Propylbenzene	ND	20	ug/L
Styrene	ND	20	ug/L
1,1,1,2-Tetrachloroethane	ND	20	ug/L
1,1,2,2-Tetrachloroethane	ND	20	ug/L
Tetrachloroethene	ND	20	ug/L
Toluene	ND	20	ug/L
1,2,3-Trichlorobenzene	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	20	ug/L
1,1,1-Trichloroethane	ND	20	ug/L
1,1,2-Trichloroethane	ND	20	ug/L
Trichloroethene	ND	20	ug/L
Trichlorofluoromethane	ND	40	ug/L
1,2,3-Trichloropropane	ND	20	ug/L
1,2,4-Trimethylbenzene	ND	20	ug/L
1,3,5-Trimethylbenzene	ND	20	ug/L
Vinyl chloride	ND	20	ug/L
m-Xylene & p-Xylene	ND	40	ug/L
o-Xylene	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	107	(72 - 127)
4-Bromofluorobenzene	110	(79 - 119)
Toluene-d8	98	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-11

GC/MS Volatiles

Lot-Sample #...: D1D270259-015 **Work Order #...:** ECHN31AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 14:05 **Date Received..:** 04/27/01
Prep Date.....: 05/04/01 **Analysis Date..:** 05/04/01
Prep Batch #...: 1128248 **Analysis Time..:** 16:20
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	ND	1.0	ug/L
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-11

GC/MS Volatiles

Lot-Sample #...: D1D270259-015 **Work Order #...:** ECHN31AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	1.0	ug/L
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	108	(72 - 127)
4-Bromofluorobenzene	113	(79 - 119)
Toluene-d8	99	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-14

GC/MS Volatiles

Lot-Sample #...: D1D270259-016 **Work Order #...:** ECHN51AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 15:05 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1124391 **Analysis Time..:** 22:54
Dilution Factor: 10

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	10	ug/L
Bromobenzene	ND	10	ug/L
Bromochloromethane	ND	10	ug/L
Bromodichloromethane	ND	10	ug/L
Bromoform	ND	10	ug/L
Bromomethane	ND	20	ug/L
n-Butylbenzene	ND	10	ug/L
sec-Butylbenzene	ND	10	ug/L
tert-Butylbenzene	ND	10	ug/L
Carbon tetrachloride	ND	10	ug/L
Chlorobenzene	ND	10	ug/L
Chlorodibromomethane	ND	10	ug/L
Chloroethane	ND	20	ug/L
Chloroform	ND	10	ug/L
Chloromethane	ND	20	ug/L
2-Chlorotoluene	ND	10	ug/L
4-Chlorotoluene	ND	10	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L
1,2-Dibromoethane (EDB)	ND	10	ug/L
Dibromomethane	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
Dichlorodifluoromethane	ND	20	ug/L
1,1-Dichloroethane	ND	10	ug/L
1,2-Dichloroethane	ND	10	ug/L
cis-1,2-Dichloroethene	ND	10	ug/L
trans-1,2-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethene	ND	10	ug/L
1,2-Dichloropropane	ND	10	ug/L
1,3-Dichloropropane	ND	10	ug/L
2,2-Dichloropropane	ND	50	ug/L
1,1-Dichloropropene	ND	10	ug/L
Ethylbenzene	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
Isopropylbenzene	ND	10	ug/L
p-Isopropyltoluene	ND	10	ug/L

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SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-14

GC/MS Volatiles

Lot-Sample #...: D1D270259-016 **Work Order #...:** ECHN51AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	ND	10	ug/L
Naphthalene	ND	10	ug/L
n-Propylbenzene	ND	10	ug/L
Styrene	ND	10	ug/L
1,1,1,2-Tetrachloroethane	ND	10	ug/L
1,1,2,2-Tetrachloroethane	ND	10	ug/L
Tetrachloroethene	ND	10	ug/L
Toluene	ND	10	ug/L
1,2,3-Trichlorobenzene	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
1,1,1-Trichloroethane	ND	10	ug/L
1,1,2-Trichloroethane	ND	10	ug/L
Trichloroethene	**11**	**10**	**ug/L**
Trichlorofluoromethane	ND	20	ug/L
1,2,3-Trichloropropane	ND	10	ug/L
1,2,4-Trimethylbenzene	ND	10	ug/L
1,3,5-Trimethylbenzene	ND	10	ug/L
Vinyl chloride	ND	10	ug/L
m-Xylene & p-Xylene	ND	20	ug/L
o-Xylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
4-Bromofluorobenzene	113	(79 - 119)
Toluene-d8	102	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: WND-32

GC/MS Volatiles

Lot-Sample #...: D1D270259-017 **Work Order #...:** ECHN91AA **Matrix.....:** WATER
Date Sampled...: 04/25/01 14:25 **Date Received..:** 04/27/01
Prep Date.....: 05/04/01 **Analysis Date..:** 05/04/01
Prep Batch #...: 1128248 **Analysis Time..:** 16:47
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	1.0	ug/L
Bromobenzene	ND	1.0	ug/L
Bromochloromethane	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
Bromomethane	ND	2.0	ug/L
n-Butylbenzene	ND	1.0	ug/L
sec-Butylbenzene	ND	1.0	ug/L
tert-Butylbenzene	ND	1.0	ug/L
Carbon tetrachloride	**17**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Chlorodibromomethane	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Chloroform	**44**	**1.0**	**ug/L**
Chloromethane	ND	2.0	ug/L
2-Chlorotoluene	ND	1.0	ug/L
4-Chlorotoluene	ND	1.0	ug/L
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
1,2-Dibromoethane (EDB)	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
Dichlorodifluoromethane	ND	2.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
cis-1,2-Dichloroethene	**1.3**	**1.0**	**ug/L**
trans-1,2-Dichloroethene	ND	0.50	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
1,3-Dichloropropane	ND	1.0	ug/L
2,2-Dichloropropane	ND	5.0	ug/L
1,1-Dichloropropene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
Isopropylbenzene	ND	1.0	ug/L
p-Isopropyltoluene	ND	1.0	ug/L

(Continued on next page)

SAFETY KLEEN CONSULTING

Client Sample ID: WND-32

GC/MS Volatiles

Lot-Sample #...: D1D270259-017 **Work Order #...:** ECHN91AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Methylene chloride	**1.2**	**1.0**	**ug/L**
Naphthalene	ND	1.0	ug/L
n-Propylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
1,2,3-Trichlorobenzene	ND	1.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Trichloroethene	**13**	**1.0**	**ug/L**
Trichlorofluoromethane	ND	2.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
1,2,4-Trimethylbenzene	ND	1.0	ug/L
1,3,5-Trimethylbenzene	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
m-Xylene & p-Xylene	ND	2.0	ug/L
o-Xylene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(80 - 120)
1,2-Dichloroethane-d4	107	(72 - 127)
4-Bromofluorobenzene	110	(79 - 119)
Toluene-d8	98	(79 - 119)

SAFETY KLEEN CONSULTING

Client Sample ID: RSCI-1

GC Volatiles

Lot-Sample #...: D1D270259-009 **Work Order #...:** ECHNF1AC **Matrix.....:** WATER
Date Sampled...: 04/25/01 13:40 **Date Received..:** 04/27/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128324 **Analysis Time..:** 23:41
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**0.90**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4Z

GC Volatiles

Lot-Sample #...: D1D270259-010 **Work Order #...:** ECHNK1AC **Matrix.....:** WATER
Date Sampled...: 04/25/01 10:50 **Date Received..:** 04/27/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128324 **Analysis Time..:** 23:45
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**3.4**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4S

GC Volatiles

Lot-Sample #...: D1D270259-011 **Work Order #...:** ECHNN1AC **Matrix.....:** WATER
Date Sampled...: 04/25/01 10:40 **Date Received..:** 04/27/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128324 **Analysis Time..:** 23:48
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**3.3**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: HRI-03

GC Volatiles

Lot-Sample #...: D1D270259-012 **Work Order #...:** ECHNQ1AC **Matrix.....:** WATER
Date Sampled...: 04/25/01 11:50 **Date Received..:** 04/27/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128324 **Analysis Time..:** 23:52
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**0.76**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-10

GC Volatiles

Lot-Sample #...:	D1D270259-014	**Work Order #...:**	ECHNW1AC	**Matrix.....:**	WATER
Date Sampled...:	04/25/01 14:45	**Date Received..:**	04/27/01		
Prep Date.....:	05/07/01	**Analysis Date..:**	05/07/01		
Prep Batch #...:	1128324	**Analysis Time..:**	23:57		
Dilution Factor:	1				
		Method.....:	RSK SOP-175		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	**0.82**	**0.50**	**ug/L**
Ethene	ND	0.50	ug/L
Methane	**520 E**	**0.50**	**ug/L**

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-10

GC Volatiles

Lot-Sample #...: D1D270259-014 **Work Order #...:** ECHNW2AC **Matrix.....:** WATER
Date Sampled...: 04/25/01 14:45 **Date Received..:** 04/27/01
Prep Date.....: 05/09/01 **Analysis Date..:** 05/09/01
Prep Batch #...: 1131091 **Analysis Time..:** 13:40
Dilution Factor: 50

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	25	ug/L
Ethene	ND	25	ug/L
Methane	**1300 D**	**25**	**ug/L**

NOTE(S):

D Result was obtained from the analysis of a dilution.

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-11

GC Volatiles

Lot-Sample #...: D1D270259-015 **Work Order #...:** ECHN31AC **Matrix.....:** WATER
Date Sampled...: 04/25/01 14:05 **Date Received..:** 04/27/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/08/01
Prep Batch #...: 1128324 **Analysis Time..:** 00:03
Dilution Factor: 1

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**1.4**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-14

GC Volatiles

Lot-Sample #...:	D1D270259-016	**Work Order #...:**	ECHN51AC	**Matrix.....:**	WATER
Date Sampled...:	04/25/01 15:05	**Date Received..:**	04/27/01		
Prep Date.....:	05/07/01	**Analysis Date..:**	05/08/01		
Prep Batch #...:	1128324	**Analysis Time..:**	00:08		
Dilution Factor:	1				
		Method.....:	RSK SOP-175		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**420 E**	**0.50**	**ug/L**

NOTE(S):

E Estimated result. Result concentration exceeds the calibration range.

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-14

GC Volatiles

Lot-Sample #...: D1D270259-016 **Work Order #...:** ECHN52AC **Matrix.....:** WATER
Date Sampled...: 04/25/01 15:05 **Date Received..:** 04/27/01
Prep Date.....: 05/09/01 **Analysis Date..:** 05/09/01
Prep Batch #...: 1131091 **Analysis Time..:** 13:44
Dilution Factor: 25

Method.....: RSK SOP-175

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	12	ug/L
Ethene	ND	12	ug/L
Methane	**850 D**	**12**	**ug/L**

NOTE(S):

D Result was obtained from the analysis of a dilution.

SAFETY KLEEN CONSULTING

Client Sample ID: WND-32

GC Volatiles

Lot-Sample #...:	D1D270259-017	**Work Order #...:**	ECHN91AC	**Matrix.....:**	WATER
Date Sampled...:	04/25/01 14:25	**Date Received..:**	04/27/01		
Prep Date.....:	05/07/01	**Analysis Date..:**	05/08/01		
Prep Batch #...:	1128324	**Analysis Time..:**	00:16		
Dilution Factor:	1				
		Method.....:	RSK SOP-175		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Ethane	ND	0.50	ug/L
Ethene	ND	0.50	ug/L
Methane	**3.0**	**0.50**	**ug/L**

SAFETY KLEEN CONSULTING

Client Sample ID: RB-01

DISSOLVED Metals

Lot-Sample #...: D1D270259-008 **Matrix.....:** WATER
Date Sampled...: 04/25/01 11:15 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121315						
Calcium	ND	0.20	mg/L	SW846 6010B	05/07-05/09/01	ECHM21AC
		Dilution Factor: 1		Analysis Time..: 09:16		
Iron	ND	0.10	mg/L	SW846 6010B	05/07-05/09/01	ECHM21AD
		Dilution Factor: 1		Analysis Time..: 09:16		
Potassium	ND	3.0	mg/L	SW846 6010B	05/07-05/09/01	ECHM21AE
		Dilution Factor: 1		Analysis Time..: 09:16		
Magnesium	ND	0.20	mg/L	SW846 6010B	05/07-05/09/01	ECHM21AF
		Dilution Factor: 1		Analysis Time..: 09:16		
Manganese	ND	0.010	mg/L	SW846 6010B	05/07-05/09/01	ECHM21AG
		Dilution Factor: 1		Analysis Time..: 09:16		

SAFETY KLEEN CONSULTING

Client Sample ID: RSCI-1

TOTAL Metals

Lot-Sample #...: D1D270259-009 **Matrix.....:** WATER
Date Sampled...: 04/25/01 13:40 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121391						
Iron	**12.8**	**0.10**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHNF1AD**
		Dilution Factor: 1		Analysis Time..: 15:09		
Manganese	**0.93**	**0.010**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHNF1AE**
		Dilution Factor: 1		Analysis Time..: 15:31		

SAFETY KLEEN CONSULTING

Client Sample ID: RSCI-1

DISSOLVED Metals

Lot-Sample #...: D1D270259-009 **Matrix.....:** WATER
Date Sampled...: 04/25/01 13:40 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121315						
Calcium	135	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNF1AF**
		Dilution Factor: 1		Analysis Time..: 09:31		
Iron	ND	0.10	mg/L	SW846 6010B	05/07-05/09/01	ECHNF1AG
		Dilution Factor: 1		Analysis Time..: 09:31		
Potassium	**3.5**	**3.0**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNF1AH**
		Dilution Factor: 1		Analysis Time..: 09:31		
Magnesium	**53.2**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNF1AJ**
		Dilution Factor: 1		Analysis Time..: 09:31		
Manganese	**0.18**	**0.010**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNF1AK**
		Dilution Factor: 1		Analysis Time..: 09:31		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4Z

TOTAL Metals

Lot-Sample #...: D1D270259-010 **Matrix.....:** WATER
Date Sampled...: 04/25/01 10:50 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121391						
Iron	**495**	**0.20**	**mg/L**	**SW846 6010B**	**05/09-05/11/01**	**ECHNK1AD**
		Dilution Factor: 2		Analysis Time..: 18:24		
Manganese	**6.9**	**0.010**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHNK1AE**
		Dilution Factor: 1		Analysis Time..: 15:36		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4Z

DISSOLVED Metals

Lot-Sample #...: D1D270259-010 **Matrix.....:** WATER
Date Sampled...: 04/25/01 10:50 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121315						
Calcium	**143**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNK1AF**
		Dilution Factor: 1		Analysis Time..: 09:35		
Iron	ND	0.10	mg/L	SW846 6010B	05/07-05/09/01	ECHNK1AG
		Dilution Factor: 1		Analysis Time..: 09:35		
Potassium	ND	3.0	mg/L	SW846 6010B	05/07-05/09/01	ECHNK1AH
		Dilution Factor: 1		Analysis Time..: 09:35		
Magnesium	**39.2**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNK1AJ**
		Dilution Factor: 1		Analysis Time..: 09:35		
Manganese	**1.9**	**0.010**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNK1AK**
		Dilution Factor: 1		Analysis Time..: 09:35		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4S

TOTAL Metals

Lot-Sample #...: D1D270259-011 **Matrix.....:** WATER
Date Sampled...: 04/25/01 10:40 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121391						
Iron	**435**	**0.10**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHNN1AD**
		Dilution Factor: 1		Analysis Time..: 15:18		
Manganese	**5.9**	**0.010**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHNN1AE**
		Dilution Factor: 1		Analysis Time..: 15:41		

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4S

DISSOLVED Metals

Lot-Sample #...: D1D270259-011 **Matrix.....:** WATER
Date Sampled...: 04/25/01 10:40 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121315						
Calcium	**144**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNN1AF**
		Dilution Factor: 1		Analysis Time..: 09:39		
Iron	ND	0.10	mg/L	SW846 6010B	05/07-05/09/01	ECHNN1AG
		Dilution Factor: 1		Analysis Time..: 09:39		
Potassium	ND	3.0	mg/L	SW846 6010B	05/07-05/09/01	ECHNN1AH
		Dilution Factor: 1		Analysis Time..: 09:39		
Magnesium	**37.5**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNN1AJ**
		Dilution Factor: 1		Analysis Time..: 09:39		
Manganese	**1.9**	**0.010**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNN1AK**
		Dilution Factor: 1		Analysis Time..: 09:39		

SAFETY KLEEN CONSULTING

Client Sample ID: HRI-03

TOTAL Metals

Lot-Sample #...: D1D270259-012 **Matrix.....:** WATER
Date Sampled...: 04/25/01 11:50 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121391						
Iron	**4.6**	**0.10**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHNQ1AD**
		Dilution Factor: 1		Analysis Time..: 15:22		
Manganese	**1.0**	**0.010**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHNQ1AE**
		Dilution Factor: 1		Analysis Time..: 15:46		

SAFETY KLEEN CONSULTING

Client Sample ID: HRI-03

DISSOLVED Metals

Lot-Sample #...: D1D270259-012 **Matrix.....:** WATER
Date Sampled...: 04/25/01 11:50 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121315						
Calcium	**123**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNQ1AF**
		Dilution Factor: 1		Analysis Time..: 09:43		
Iron	**0.25**	**0.10**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNQ1AG**
		Dilution Factor: 1		Analysis Time..: 09:43		
Potassium	ND	3.0	mg/L	SW846 6010B	05/07-05/09/01	ECHNQ1AH
		Dilution Factor: 1		Analysis Time..: 09:43		
Magnesium	**45.4**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNQ1AJ**
		Dilution Factor: 1		Analysis Time..: 09:43		
Manganese	**0.047**	**0.010**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNQ1AK**
		Dilution Factor: 1		Analysis Time..: 09:43		

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-10

TOTAL Metals

Lot-Sample #...: D1D270259-014
Date Sampled...: 04/25/01 14:45 Date Received..: 04/27/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121391						
Iron	188	0.10	mg/L	SW846 6010B	05/09-05/10/01	ECHNW1AD
		Dilution Factor: 1		Analysis Time..: 15:33		
Manganese	3.8	0.010	mg/L	SW846 6010B	05/09-05/10/01	ECHNW1AE
		Dilution Factor: 1		Analysis Time..: 16:23		

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-10

DISSOLVED Metals

Lot-Sample #...: D1D270259-014
Date Sampled...: 04/25/01 14:45 **Date Received..:** 04/27/01
Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121315						
Calcium	**98.8**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNW1AF**
		Dilution Factor: 1		Analysis Time..: 09:54		
Iron	**1.2**	**0.10**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNW1AG**
		Dilution Factor: 1		Analysis Time..: 09:54		
Potassium	ND	3.0	mg/L	SW846 6010B	05/07-05/09/01	ECHNW1AH
		Dilution Factor: 1		Analysis Time..: 09:54		
Magnesium	**27.1**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNW1AJ**
		Dilution Factor: 1		Analysis Time..: 09:54		
Manganese	**1.1**	**0.010**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHNW1AK**
		Dilution Factor: 1		Analysis Time..: 09:54		

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-11

TOTAL Metals

Lot-Sample #...: D1D270259-015
Date Sampled...: 04/25/01 14:05 Date Received..: 04/27/01

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121391						
Iron	152	0.10	mg/L	SW846 6010B	05/09-05/10/01	ECHN31AD
		Dilution Factor: 1		Analysis Time..: 15:37		
Manganese	1.4	0.010	mg/L	SW846 6010B	05/09-05/10/01	ECHN31AE
		Dilution Factor: 1		Analysis Time..: 16:28		

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-11

DISSOLVED Metals

Lot-Sample #...: D1D270259-015 **Matrix.....:** WATER
Date Sampled...: 04/25/01 14:05 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121315						
Calcium	**287**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN31AF**
		Dilution Factor: 1		Analysis Time..: 09:58		
Iron	ND	0.10	mg/L	SW846 6010B	05/07-05/09/01	ECHN31AG
		Dilution Factor: 1		Analysis Time..: 09:58		
Potassium	**3.0**	**3.0**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN31AH**
		Dilution Factor: 1		Analysis Time..: 09:58		
Magnesium	**19.1**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN31AJ**
		Dilution Factor: 1		Analysis Time..: 09:58		
Manganese	ND	0.010	mg/L	SW846 6010B	05/07-05/09/01	ECHN31AK
		Dilution Factor: 1		Analysis Time..: 09:58		

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-14

TOTAL Metals

Lot-Sample #...: D1D270259-016
Date Sampled...: 04/25/01 15:05 **Date Received..:** 04/27/01
Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121391						
Iron	**285**	**0.10**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHN51AD**
		Dilution Factor: 1		Analysis Time..: 15:41		
Manganese	**5.7**	**0.010**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHN51AE**
		Dilution Factor: 1		Analysis Time..: 16:33		

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-14

DISSOLVED Metals

Lot-Sample #...: D1D270259-016 **Matrix.....:** WATER
Date Sampled...: 04/25/01 15:05 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121315						
Calcium	**119**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN51AF**
		Dilution Factor: 1		Analysis Time..: 10:02		
Iron	**6.8**	**0.10**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN51AG**
		Dilution Factor: 1		Analysis Time..: 10:02		
Potassium	ND	3.0	mg/L	SW846 6010B	05/07-05/09/01	ECHN51AH
		Dilution Factor: 1		Analysis Time..: 10:02		
Magnesium	**31.1**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN51AJ**
		Dilution Factor: 1		Analysis Time..: 10:02		
Manganese	**2.8**	**0.010**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN51AK**
		Dilution Factor: 1		Analysis Time..: 10:02		

SAFETY KLEEN CONSULTING

Client Sample ID: WND-32

TOTAL Metals

Lot-Sample #...: D1D270259-017 **Matrix.....:** WATER
Date Sampled...: 04/25/01 14:25 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121391						
Iron	**51.8**	**0.10**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHN91AD**
		Dilution Factor: 1		Analysis Time..: 15:45		
Manganese	**4.9**	**0.010**	**mg/L**	**SW846 6010B**	**05/09-05/10/01**	**ECHN91AE**
		Dilution Factor: 1		Analysis Time..: 16:37		

SAFETY KLEEN CONSULTING

Client Sample ID: WND-32

DISSOLVED Metals

Lot-Sample #...: D1D270259-017 **Matrix.....:** WATER
Date Sampled...: 04/25/01 14:25 **Date Received..:** 04/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1121315						
Calcium	**124**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN91AF**
		Dilution Factor: 1		Analysis Time..: 10:06		
Iron	ND	0.10	mg/L	SW846 6010B	05/07-05/09/01	ECHN91AG
		Dilution Factor: 1		Analysis Time..: 10:06		
Potassium	**5.1**	**3.0**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN91AH**
		Dilution Factor: 1		Analysis Time..: 10:06		
Magnesium	**31.8**	**0.20**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN91AJ**
		Dilution Factor: 1		Analysis Time..: 10:06		
Manganese	**2.0**	**0.010**	**mg/L**	**SW846 6010B**	**05/07-05/09/01**	**ECHN91AK**
		Dilution Factor: 1		Analysis Time..: 10:06		

SAFETY KLEEN CONSULTING

Client Sample ID: RSCI-1

General Chemistry

Lot-Sample #...: D1D270259-009 **Work Order #...:** ECHNF **Matrix.....:** WATER
Date Sampled...: 04/25/01 13:40 **Date Received..:** 04/27/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	**328**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/07/01**	**1128273**
		Dilution Factor: 1		Analysis Time..: 09:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/07/01	1128275
		Dilution Factor: 1		Analysis Time..: 09:00		
Chloride	**77.9**	**2.5**	**mg/L**	**MCAWW 325.2**	**05/07/01**	**1128241**
		Dilution Factor: 1		Analysis Time..: 14:00		
Nitrate-Nitrite	**3.4**	**0.10**	**mg/L**	**MCAWW 353.2**	**05/07/01**	**1128220**
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	**228 Q**	**50.0**	**mg/L**	**MCAWW 375.4**	**04/30/01**	**1120494**
		Dilution Factor: 10		Analysis Time..: 13:00		
Total Alkalinity	**328**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/07/01**	**1128270**
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	**862**	**10.0**	**mg/L**	**MCAWW 160.1**	**05/02/01**	**1127201**
		Dilution Factor: 1		Analysis Time..: 17:06		
Total Organic Carbon	**2.0**	**1.0**	**mg/L**	**MCAWW 415.1**	**05/09/01**	**1130321**
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4Z

General Chemistry

Lot-Sample #...: D1D270259-010 Work Order #...: ECHNK Matrix.....: WATER
Date Sampled...: 04/25/01 10:50 Date Received..: 04/27/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.10	0.10	mg/L	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	386	5.0	mg/L	MCAWW 310.1	05/07/01	1128273
		Dilution Factor: 1		Analysis Time..: 09:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/07/01	1128275
		Dilution Factor: 1		Analysis Time..: 09:00		
Chloride	32.3	2.5	mg/L	MCAWW 325.2	05/07/01	1128241
		Dilution Factor: 1		Analysis Time..: 14:00		
Nitrate-Nitrite	2.1	0.10	mg/L	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	200 Q	25.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 5		Analysis Time..: 13:00		
Total Alkalinity	386	5.0	mg/L	MCAWW 310.1	05/07/01	1128270
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	970 G	100	mg/L	MCAWW 160.1	05/02/01	1127201
		Dilution Factor: 10		Analysis Time..: 17:06		
Total Organic Carbon	4.0	1.0	mg/L	MCAWW 415.1	05/09/01	1130321
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

SAFETY KLEEN CONSULTING

Client Sample ID: SK-4S

General Chemistry

Lot-Sample #...: D1D270259-011 Work Order #...: ECHNN Matrix.....: WATER
Date Sampled...: 04/25/01 10:40 Date Received..: 04/27/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	383	5.0	mg/L	MCAWW 310.1	05/07/01	1128273
		Dilution Factor: 1		Analysis Time..: 09:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/07/01	1128275
		Dilution Factor: 1		Analysis Time..: 09:00		
Chloride	32.0	2.5	mg/L	MCAWW 325.2	05/07/01	1128241
		Dilution Factor: 1		Analysis Time..: 14:00		
Nitrate-Nitrite	2.4	0.10	mg/L	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	172 Q	50.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 10		Analysis Time..: 13:00		
Total Alkalinity	383	5.0	mg/L	MCAWW 310.1	05/07/01	1128270
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	1040 G	50.0	mg/L	MCAWW 160.1	05/02/01	1127201
		Dilution Factor: 5		Analysis Time..: 17:06		
Total Organic Carbon	5.9	1.0	mg/L	MCAWW 415.1	05/09/01	1130321
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

SAFETY KLEEN CONSULTING

Client Sample ID: HRI-03

General Chemistry

Lot-Sample #...: D1D270259-012 Work Order #...: ECHNQ Matrix.....: WATER
Date Sampled...: 04/25/01 11:50 Date Received..: 04/27/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	ND	0.10	mg/L	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	298	5.0	mg/L	MCAWW 310.1	05/07/01	1128273
		Dilution Factor: 1		Analysis Time..: 09:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/07/01	1128275
		Dilution Factor: 1		Analysis Time..: 09:00		
Chloride	60.7	2.5	mg/L	MCAWW 325.2	05/07/01	1128241
		Dilution Factor: 1		Analysis Time..: 14:00		
Nitrate-Nitrite	2.6	0.10	mg/L	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	229 Q	25.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 5		Analysis Time..: 13:00		
Total Alkalinity	298	5.0	mg/L	MCAWW 310.1	05/07/01	1128270
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	781	10.0	mg/L	MCAWW 160.1	05/02/01	1127201
		Dilution Factor: 1		Analysis Time..: 17:06		
Total Organic Carbon	3.9	1.0	mg/L	MCAWW 415.1	05/09/01	1130321
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-10

General Chemistry

Lot-Sample #...: D1D270259-014 **Work Order #...:** ECHNW **Matrix.....:** WATER
Date Sampled...: 04/25/01 14:45 **Date Received..:** 04/27/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	**0.30**	**0.10**	**mg/L**	**MCAWW 350.1**	**05/08/01**	**1129236**
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	**450**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/07/01**	**1128273**
		Dilution Factor: 1		Analysis Time..: 09:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/07/01	1128275
		Dilution Factor: 1		Analysis Time..: 09:00		
Chloride	**53.3**	**2.5**	**mg/L**	**MCAWW 325.2**	**05/07/01**	**1128241**
		Dilution Factor: 1		Analysis Time..: 14:00		
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	**10.3**	**5.0**	**mg/L**	**MCAWW 375.4**	**04/30/01**	**1120494**
		Dilution Factor: 1		Analysis Time..: 13:00		
Total Alkalinity	**450**	**5.0**	**mg/L**	**MCAWW 310.1**	**05/07/01**	**1128270**
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	**592**	**10.0**	**mg/L**	**MCAWW 160.1**	**05/02/01**	**1127201**
		Dilution Factor: 1		Analysis Time..: 17:06		
Total Organic Carbon	**14.6**	**1.0**	**mg/L**	**MCAWW 415.1**	**05/09/01**	**1130321**
		Dilution Factor: 1		Analysis Time..: 08:00		

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-11

General Chemistry

Lot-Sample #...: D1D270259-015 Work Order #...: ECHN3 Matrix.....: WATER
Date Sampled...: 04/25/01 14:05 Date Received..: 04/27/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.13	0.10	mg/L	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	116	5.0	mg/L	MCAWW 310.1	05/07/01	1128273
		Dilution Factor: 1		Analysis Time..: 09:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/07/01	1128275
		Dilution Factor: 1		Analysis Time..: 09:00		
Chloride	6.7	2.5	mg/L	MCAWW 325.2	05/07/01	1128241
		Dilution Factor: 1		Analysis Time..: 14:00		
Nitrate-Nitrite	2.4	0.10	mg/L	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	741 Q	100	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 20		Analysis Time..: 13:00		
Total Alkalinity	116	5.0	mg/L	MCAWW 310.1	05/07/01	1128270
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	313	10.0	mg/L	MCAWW 160.1	05/02/01	1127201
		Dilution Factor: 1		Analysis Time..: 17:06		
Total Organic Carbon	10.9	1.0	mg/L	MCAWW 415.1	05/09/01	1130321
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

SAFETY KLEEN CONSULTING

Client Sample ID: UPMW-14

General Chemistry

Lot-Sample #...: D1D270259-016 Work Order #...: ECHN5 Matrix.....: WATER
Date Sampled...: 04/25/01 15:05 Date Received..: 04/27/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.39	0.10	mg/L	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	459	5.0	mg/L	MCAWW 310.1	05/07/01	1128273
		Dilution Factor: 1		Analysis Time..: 09:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/07/01	1128275
		Dilution Factor: 1		Analysis Time..: 09:00		
Chloride	51.1	2.5	mg/L	MCAWW 325.2	05/07/01	1128241
		Dilution Factor: 1		Analysis Time..: 14:00		
Nitrate-Nitrite	ND	0.10	mg/L	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	29.0	5.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 1		Analysis Time..: 13:00		
Total Alkalinity	459	5.0	mg/L	MCAWW 310.1	05/07/01	1128270
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	488 G	20.0	mg/L	MCAWW 160.1	05/02/01	1127201
		Dilution Factor: 2		Analysis Time..: 17:06		
Total Organic Carbon	12.9	1.0	mg/L	MCAWW 415.1	05/09/01	1130321
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

SAFETY KLEEN CONSULTING

Client Sample ID: WND-32

General Chemistry

Lot-Sample #...: D1D270259-017 Work Order #...: ECHN9 Matrix.....: WATER
Date Sampled...: 04/25/01 14:25 Date Received..: 04/27/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N	0.22	0.10	mg/L	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1		Analysis Time..: 08:00		
Bicarbonate Alkalinity	321	5.0	mg/L	MCAWW 310.1	05/07/01	1128273
		Dilution Factor: 1		Analysis Time..: 09:00		
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	05/07/01	1128275
		Dilution Factor: 1		Analysis Time..: 09:00		
Chloride	108	2.5	mg/L	MCAWW 325.2	05/07/01	1128241
		Dilution Factor: 1		Analysis Time..: 14:00		
Nitrate-Nitrite	6.7	0.10	mg/L	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1		Analysis Time..: 08:00		
Sulfate	164 Q	25.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 5		Analysis Time..: 13:00		
Total Alkalinity	321	5.0	mg/L	MCAWW 310.1	05/07/01	1128270
		Dilution Factor: 1		Analysis Time..: 09:00		
Total Dissolved Solids	693 G	33.3	mg/L	MCAWW 160.1	05/04/01	1129336
		Dilution Factor: 3.33		Analysis Time..: 17:59		
Total Organic Carbon	7.4	1.0	mg/L	MCAWW 415.1	05/09/01	1130321
		Dilution Factor: 1		Analysis Time..: 08:00		

NOTE(S):

RL Reporting Limit

Q Elevated reporting limit. The reporting limit is elevated due to high analyte levels.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

D1D270259

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		1127166	1127055
002	WATER	SW846 8260B		1127166	1127055
003	WATER	SW846 8260B		1127166	1127055
004	WATER	SW846 8260B		1127166	1127055
005	WATER	SW846 8260B		1127166	1127055
006	WATER	SW846 8260B		1127166	1127055
007	WATER	SW846 8260B		1127166	1127055
008	WATER	SW846 8260B		1127166	1127055
	WATER	SW846 6010B		1121315	1121095
009	WATER	MCAWW 160.1		1127201	1127080
	WATER	MCAWW 310.1		1128275	
	WATER	MCAWW 325.2		1128241	1128120
	WATER	MCAWW 353.2		1128220	1128112
	WATER	MCAWW 415.1		1130321	1130188
	WATER	RSK SOP-175		1128324	1128175
	WATER	SW846 8260B		1127166	1127055
	WATER	SW846 6010B		1121315	1121095
	WATER	SW846 6010B		1121391	1121163
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1128273	
	WATER	MCAWW 310.1		1128270	1128149
	WATER	MCAWW 350.1		1129236	1129105
010	WATER	MCAWW 160.1		1127201	1127080
	WATER	MCAWW 310.1		1128275	
	WATER	MCAWW 325.2		1128241	1128120
	WATER	MCAWW 353.2		1128220	1128112
	WATER	MCAWW 415.1		1130321	1130188
	WATER	RSK SOP-175		1128324	1128175
	WATER	SW846 8260B		1127166	1127055
	WATER	SW846 6010B		1121315	1121095
	WATER	SW846 6010B		1121391	1121163
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1128273	
	WATER	MCAWW 310.1		1128270	1128149
	WATER	MCAWW 350.1		1129236	1129105

QC DATA ASSOCIATION SUMMARY

D1D270259

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
011	WATER	MCAWW 160.1		1127201	1127080
	WATER	MCAWW 310.1		1128275	
	WATER	MCAWW 325.2		1128241	1128120
	WATER	MCAWW 353.2		1128220	1128112
	WATER	MCAWW 415.1		1130321	1130188
	WATER	RSK SOP-175		1128324	1128175
	WATER	SW846 8260B		1127166	1127055
	WATER	SW846 6010B		1121315	1121095
	WATER	SW846 6010B		1121391	1121163
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1128273	
	WATER	MCAWW 310.1		1128270	1128149
	WATER	MCAWW 350.1		1129236	1129105
012	WATER	MCAWW 160.1		1127201	1127080
	WATER	MCAWW 310.1		1128275	
	WATER	MCAWW 325.2		1128241	1128120
	WATER	MCAWW 353.2		1128220	1128112
	WATER	MCAWW 415.1		1130321	1130188
	WATER	RSK SOP-175		1128324	1128175
	WATER	SW846 8260B		1127166	1127055
	WATER	SW846 6010B		1121315	1121095
	WATER	SW846 6010B		1121391	1121163
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1128273	
	WATER	MCAWW 310.1		1128270	1128149
	WATER	MCAWW 350.1		1129236	1129105
013	WATER	SW846 8260B		1124391	1124155
014	WATER	MCAWW 160.1		1127201	1127080
	WATER	MCAWW 310.1		1128275	
	WATER	MCAWW 325.2		1128241	1128120
	WATER	MCAWW 353.2		1128220	1128112
	WATER	MCAWW 415.1		1130321	1130188
	WATER	RSK SOP-175		1128324	1128175
	WATER	RSK SOP-175		1131091	1131002
	WATER	SW846 8260B		1128248	1128126
	WATER	SW846 6010B		1121315	1121095
	WATER	SW846 6010B		1121391	1121163
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1128273	
	WATER	MCAWW 310.1		1128270	1128149
	WATER	MCAWW 350.1		1129236	1129105

QC DATA ASSOCIATION SUMMARY

D1D270259

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
015	WATER	MCAWW 160.1		1127201	1127080
	WATER	MCAWW 310.1		1128275	
	WATER	MCAWW 325.2		1128241	1128120
	WATER	MCAWW 353.2		1128220	1128112
	WATER	MCAWW 415.1		1130321	1130188
	WATER	RSK SOP-175		1128324	1128175
	WATER	SW846 8260B		1128248	1128126
	WATER	SW846 6010B		1121315	1121095
	WATER	SW846 6010B		1121391	1121163
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1128273	
	WATER	MCAWW 310.1		1128270	1128149
	WATER	MCAWW 350.1		1129236	1129105
016	WATER	MCAWW 160.1		1127201	1127080
	WATER	MCAWW 310.1		1128275	
	WATER	MCAWW 325.2		1128241	1128120
	WATER	MCAWW 353.2		1128220	1128112
	WATER	MCAWW 415.1		1130321	1130188
	WATER	RSK SOP-175		1128324	1128175
	WATER	RSK SOP-175		1131091	1131002
	WATER	SW846 8260B		1124391	1124155
	WATER	SW846 6010B		1121315	1121095
	WATER	SW846 6010B		1121391	1121163
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1128273	
	WATER	MCAWW 310.1		1128270	1128149
	WATER	MCAWW 350.1		1129236	1129105
017	WATER	MCAWW 160.1		1129336	1129202
	WATER	MCAWW 310.1		1128275	
	WATER	MCAWW 325.2		1128241	1128120
	WATER	MCAWW 353.2		1128220	1128112
	WATER	MCAWW 415.1		1130321	1130188
	WATER	RSK SOP-175		1128324	1128175
	WATER	SW846 8260B		1128248	1128126
	WATER	SW846 6010B		1121315	1121095
	WATER	SW846 6010B		1121391	1121163
	WATER	MCAWW 375.4		1120494	1120276
	WATER	MCAWW 310.1		1128273	
	WATER	MCAWW 310.1		1128270	1128149
	WATER	MCAWW 350.1		1129236	1129105

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECXGV1AC **Matrix.....:** WATER
LCS Lot-Sample#: D1E070000-166
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 08:52
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**103**	**(79 - 119)**	**SW846 8260B**
Benzene	**95**	**(79 - 119)**	**SW846 8260B**
Chlorobenzene	**91**	**(76 - 116)**	**SW846 8260B**
Toluene	**87**	**(75 - 122)**	**SW846 8260B**
Trichloroethene	**94**	**(81 - 121)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	103	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	99	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D270259
LCS Lot-Sample#: D1E070000-166
Prep Date.....: 05/03/01
Prep Batch #...: 1127166
Dilution Factor: 1

Work Order #...: ECXGV1AC

Analysis Date..: 05/03/01
Analysis Time..: 08:52

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	10.0	10.3	ug/L	103	SW846 8260B
Benzene	10.0	9.52	ug/L	95	SW846 8260B
Chlorobenzene	10.0	9.08	ug/L	91	SW846 8260B
Toluene	10.0	8.69	ug/L	87	SW846 8260B
Trichloroethene	10.0	9.45	ug/L	94	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	103	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	99	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

d print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D270259
LCS Lot-Sample#: D1E040000-391
Prep Date.....: 05/03/01
Prep Batch #...: 1124391
Dilution Factor: 1

Work Order #...: ECV8C1AC
Analysis Date..: 05/03/01
Analysis Time..: 17:20

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	100	(79 - 119)	SW846 8260B
Benzene	91	(79 - 119)	SW846 8260B
Chlorobenzene	90	(76 - 116)	SW846 8260B
Toluene	91	(75 - 122)	SW846 8260B
Trichloroethene	100	(81 - 121)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
4-Bromofluorobenzene	114	(79 - 119)
Toluene-d8	94	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

d print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D270259
LCS Lot-Sample#: D1E040000-391
Prep Date.....: 05/03/01
Prep Batch #...: 1124391
Dilution Factor: 1

Work Order #...: ECV8C1AC
Analysis Date..: 05/03/01
Analysis Time..: 17:20

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	10.0	10.0	ug/L	100	SW846 8260B
Benzene	10.0	9.15	ug/L	91	SW846 8260B
Chlorobenzene	10.0	9.00	ug/L	90	SW846 8260B
Toluene	10.0	9.06	ug/L	91	SW846 8260B
Trichloroethene	10.0	9.97	ug/L	100	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
4-Bromofluorobenzene	114	(79 - 119)
Toluene-d8	94	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** EC1MH1AC **Matrix.....:** WATER
LCS Lot-Sample#: D1E080000-248
Prep Date.....: 05/04/01 **Analysis Date..:** 05/04/01
Prep Batch #...: 1128248 **Analysis Time..:** 10:45
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**100**	**(79 - 119)**	**SW846 8260B**
Benzene	**87**	**(79 - 119)**	**SW846 8260B**
Chlorobenzene	**89**	**(76 - 116)**	**SW846 8260B**
Toluene	**89**	**(75 - 122)**	**SW846 8260B**
Trichloroethene	**95**	**(81 - 121)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	104	(72 - 127)
4-Bromofluorobenzene	114	(79 - 119)
Toluene-d8	96	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** EC1MH1AC **Matrix.....:** WATER
LCS Lot-Sample#: D1E080000-248
Prep Date.....: 05/04/01 **Analysis Date..:** 05/04/01
Prep Batch #...: 1128248 **Analysis Time..:** 10:45
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**9.97**	**ug/L**	**100**	**SW846 8260B**
Benzene	**10.0**	**8.68**	**ug/L**	**87**	**SW846 8260B**
Chlorobenzene	**10.0**	**8.93**	**ug/L**	**89**	**SW846 8260B**
Toluene	**10.0**	**8.86**	**ug/L**	**89**	**SW846 8260B**
Trichloroethene	**10.0**	**9.54**	**ug/L**	**95**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	104	(72 - 127)
4-Bromofluorobenzene	114	(79 - 119)
Toluene-d8	96	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECXGV1AA **Matrix.....:** WATER
MB Lot-Sample #: D1E070000-166

Prep Date.....: 05/03/01 **Analysis Time..:** 09:15

Analysis Date..: 05/03/01 **Prep Batch #...:** 1127166
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
[illegible]-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
[illegible]-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECXGV1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	103	(79 - 119)
Toluene-d8	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECV8C1AA **Matrix.....:** WATER
MB Lot-Sample #: D1E040000-391

Prep Date.....: 05/03/01 **Analysis Time..:** 17:48
Analysis Date..: 05/03/01 **Prep Batch #...:** 1124391
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECV8C1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
4-Bromofluorobenzene	110	(79 - 119)
Toluene-d8	93	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** EC1MH1AA **Matrix.....:** WATER
MB Lot-Sample #: D1E080000-248

Prep Date.....: 05/04/01 **Analysis Time..:** 11:12
Analysis Date..: 05/04/01 **Prep Batch #...:** 1128248
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Chlorodibromomethane	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
Bromobenzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
n-Butylbenzene	ND	1.0	ug/L	SW846 8260B
sec-Butylbenzene	ND	1.0	ug/L	SW846 8260B
tert-Butylbenzene	ND	1.0	ug/L	SW846 8260B
2-Chlorotoluene	ND	1.0	ug/L	SW846 8260B
4-Chlorotoluene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** EC1MH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,3-Dichloropropane	ND	1.0	ug/L	SW846 8260B
2,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8260B
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B
p-Isopropyltoluene	ND	1.0	ug/L	SW846 8260B
Naphthalene	ND	1.0	ug/L	SW846 8260B
n-Propylbenzene	ND	1.0	ug/L	SW846 8260B
1,2,3-Trichlorobenzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B
1,2,4-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
1,3,5-Trimethylbenzene	ND	1.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	106	(72 - 127)
4-Bromofluorobenzene	110	(79 - 119)
Toluene-d8	96	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D270259
MS Lot-Sample #: D1D270259-010
Date Sampled...: 04/25/01 10:50
Prep Date.....: 05/03/01
Prep Batch #...: 1127166
Dilution Factor: 5

Work Order #...: ECHNK1A0-MS
ECHNK1A1-MSD
Date Received..: 04/27/01
Analysis Date..: 05/03/01
Analysis Time..: 13:17

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**104**	**(79 - 119)**			**SW846 8260B**
	100	**(79 - 119)**	**3.2**	**(0-20)**	**SW846 8260B**
Benzene	**95**	**(79 - 119)**			**SW846 8260B**
	93	**(79 - 119)**	**2.0**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**92**	**(76 - 116)**			**SW846 8260B**
	90	**(76 - 116)**	**2.1**	**(0-20)**	**SW846 8260B**
Toluene	**89**	**(75 - 122)**			**SW846 8260B**
	86	**(75 - 122)**	**3.0**	**(0-20)**	**SW846 8260B**
Trichloroethene	**95**	**(81 - 121)**			**SW846 8260B**
	93	**(81 - 121)**	**1.9**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluoromethane	101	(80 - 120)
	101	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
	101	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	102	(79 - 119)
Toluene-d8	100	(79 - 119)
	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECHNK1A0-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D270259-010 ECHNK1A1-MSD
Date Sampled...: 04/25/01 10:50 **Date Received..:** 04/27/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1127166 **Analysis Time..:** 13:17
Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**5.6**	**50.0**	**57.6**	**ug/L**	**104**		**SW846 8260B**
	5.6	**50.0**	**55.8**	**ug/L**	**100**	**3.2**	**SW846 8260B**
Benzene	**ND**	**50.0**	**48.5**	**ug/L**	**95**		**SW846 8260B**
	ND	**50.0**	**47.6**	**ug/L**	**93**	**2.0**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**45.8**	**ug/L**	**92**		**SW846 8260B**
	ND	**50.0**	**44.9**	**ug/L**	**90**	**2.1**	**SW846 8260B**
Toluene	**ND**	**50.0**	**44.3**	**ug/L**	**89**		**SW846 8260B**
	ND	**50.0**	**43.0**	**ug/L**	**86**	**3.0**	**SW846 8260B**
Trichloroethene	**17**	**50.0**	**65.2**	**ug/L**	**95**		**SW846 8260B**
	17	**50.0**	**63.9**	**ug/L**	**93**	**1.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluoromethane	101	(80 - 120)
	101	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
	101	(72 - 127)
4-Bromofluorobenzene	102	(79 - 119)
	102	(79 - 119)
Toluene-d8	100	(79 - 119)
	100	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECD5Q1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D260145-003 ECD5Q1AE-MSD
Date Sampled...: 04/25/01 11:45 **Date Received..:** 04/25/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1124391 **Analysis Time..:** 20:06
Dilution Factor: 40

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**100**	**(79 - 119)**			**SW846 8260B**
	102	**(79 - 119)**	**1.1**	**(0-20)**	**SW846 8260B**
Benzene	**94**	**(79 - 119)**			**SW846 8260B**
	96	**(79 - 119)**	**2.3**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**92**	**(76 - 116)**			**SW846 8260B**
	89	**(76 - 116)**	**2.6**	**(0-20)**	**SW846 8260B**
Toluene	**94**	**(75 - 122)**			**SW846 8260B**
	93	**(75 - 122)**	**0.62**	**(0-20)**	**SW846 8260B**
Trichloroethene	**101**	**(81 - 121)**			**SW846 8260B**
	123 a	**(81 - 121)**	**19**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluoromethane	95	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
	112	(72 - 127)
4-Bromofluorobenzene	108	(79 - 119)
	111	(79 - 119)
Toluene-d8	95	(79 - 119)
	93	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECD5Q1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D260145-003 ECD5Q1AE-MSD
Date Sampled...: 04/25/01 11:45 **Date Received..:** 04/25/01
Prep Date.....: 05/03/01 **Analysis Date..:** 05/03/01
Prep Batch #...: 1124391 **Analysis Time..:** 20:06
Dilution Factor: 40

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**280**	**400**	**675**	**ug/L**	**100**		**SW846 8260B**
	280	**400**	**683**	**ug/L**	**102**	**1.1**	**SW846 8260B**
Benzene	**ND**	**400**	**375**	**ug/L**	**94**		**SW846 8260B**
	ND	**400**	**384**	**ug/L**	**96**	**2.3**	**SW846 8260B**
Chlorobenzene	**ND**	**400**	**366**	**ug/L**	**92**		**SW846 8260B**
	ND	**400**	**357**	**ug/L**	**89**	**2.6**	**SW846 8260B**
Toluene	**ND**	**400**	**374**	**ug/L**	**94**		**SW846 8260B**
	ND	**400**	**372**	**ug/L**	**93**	**0.62**	**SW846 8260B**
Trichloroethene	**ND**	**400**	**430**	**ug/L**	**101**		**SW846 8260B**
	ND	**400**	**518**	**ug/L**	**123 a**	**19**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluoromethane	95	(80 - 120)
	107	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
	112	(72 - 127)
4-Bromofluorobenzene	108	(79 - 119)
	111	(79 - 119)
Toluene-d8	95	(79 - 119)
	93	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECH541AD-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D270320-002 ECH541AE-MSD
Date Sampled...: 04/24/01 16:30 **Date Received..:** 04/27/01
Prep Date.....: 05/04/01 **Analysis Date..:** 05/04/01
Prep Batch #...: 1128248 **Analysis Time..:** 14:29
Dilution Factor: 5

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**93**	**(79 - 119)**			**SW846 8260B**
	96	**(79 - 119)**	**2.0**	**(0-20)**	**SW846 8260B**
Toluene	**87**	**(75 - 122)**			**SW846 8260B**
	90	**(75 - 122)**	**2.4**	**(0-20)**	**SW846 8260B**
Benzene	**86**	**(79 - 119)**			**SW846 8260B**
	88	**(79 - 119)**	**1.8**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**86**	**(76 - 116)**			**SW846 8260B**
	88	**(76 - 116)**	**2.1**	**(0-20)**	**SW846 8260B**
Trichloroethene	**95**	**(81 - 121)**			**SW846 8260B**
	94	**(81 - 121)**	**0.46**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluoromethane	101	(80 - 120)
	101	(80 - 120)
1,2-Dichloroethane-d4	109	(72 - 127)
	112	(72 - 127)
4-Bromofluorobenzene	108	(79 - 119)
	112	(79 - 119)
Toluene-d8	98	(79 - 119)
	96	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECH541AD-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D270320-002 ECH541AE-MSD
Date Sampled...: 04/24/01 16:30 **Date Received..:** 04/27/01
Prep Date.....: 05/04/01 **Analysis Date..:** 05/04/01
Prep Batch #...: 1128248 **Analysis Time..:** 14:29
Dilution Factor: 5

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**50.0**	**64.9**	**ug/L**	**93**		**SW846 8260B**
	ND	**50.0**	**66.2**	**ug/L**	**96**	**2.0**	**SW846 8260B**
Toluene	**ND**	**50.0**	**43.7**	**ug/L**	**87**		**SW846 8260B**
	ND	**50.0**	**44.8**	**ug/L**	**90**	**2.4**	**SW846 8260B**
Benzene	**ND**	**50.0**	**43.2**	**ug/L**	**86**		**SW846 8260B**
	ND	**50.0**	**44.0**	**ug/L**	**88**	**1.8**	**SW846 8260B**
Chlorobenzene	**ND**	**50.0**	**43.2**	**ug/L**	**86**		**SW846 8260B**
	ND	**50.0**	**44.1**	**ug/L**	**88**	**2.1**	**SW846 8260B**
Trichloroethene	**26**	**50.0**	**72.9**	**ug/L**	**95**		**SW846 8260B**
	26	**50.0**	**72.6**	**ug/L**	**94**	**0.46**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluoromethane	101	(80 - 120)
	101	(80 - 120)
1,2-Dichloroethane-d4	109	(72 - 127)
	112	(72 - 127)
4-Bromofluorobenzene	108	(79 - 119)
	112	(79 - 119)
Toluene-d8	98	(79 - 119)
	96	(79 - 119)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D1D270259 **Work Order #...:** EC12A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I1E080000-324 EC12A1AD-LCSD
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128324 **Analysis Time..:** 21:31
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	**101**	**(70 - 130)**			**RSK SOP-175**
	100	**(70 - 130)**	**1.0**	**(0-30)**	**RSK SOP-175**
Ethene	**98**	**(70 - 130)**			**RSK SOP-175**
	97	**(70 - 130)**	**1.6**	**(0-30)**	**RSK SOP-175**
Methane	**90**	**(70 - 130)**			**RSK SOP-175**
	85	**(70 - 130)**	**6.4**	**(0-30)**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D1D270259 **Work Order #...:** EC12A1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I1E080000-324 EC12A1AD-LCSD
Prep Date.....: 05/07/01 **Analysis Date..:** 05/07/01
Prep Batch #...: 1128324 **Analysis Time..:** 21:31
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	**65.3**	**65.7**	**ug/L**	**101**		**RSK SOP-175**
	64.1	**63.8**	**ug/L**	**100**	**1.0**	**RSK SOP-175**
Ethene	**61.0**	**60.1**	**ug/L**	**98**		**RSK SOP-175**
	59.9	**58.1**	**ug/L**	**97**	**1.6**	**RSK SOP-175**
Methane	**34.9**	**31.4**	**ug/L**	**90**		**RSK SOP-175**
	34.2	**28.9**	**ug/L**	**85**	**6.4**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D1D270259 **Work Order #...:** EC68T1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I1E110000-091 EC68T1AD-LCSD
Prep Date.....: 05/09/01 **Analysis Date..:** 05/09/01
Prep Batch #...: 1131091 **Analysis Time..:** 13:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	**102**	**(70 - 130)**			**RSK SOP-175**
	99	**(70 - 130)**	**3.2**	**(0-30)**	**RSK SOP-175**
Ethene	**101**	**(70 - 130)**			**RSK SOP-175**
	98	**(70 - 130)**	**3.7**	**(0-30)**	**RSK SOP-175**
Methane	**87**	**(70 - 130)**			**RSK SOP-175**
	85	**(70 - 130)**	**2.9**	**(0-30)**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D1D270259 **Work Order #...:** EC68T1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: I1E110000-091 EC68T1AD-LCSD
Prep Date.....: 05/09/01 **Analysis Date..:** 05/09/01
Prep Batch #...: 1131091 **Analysis Time..:** 13:19
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	65.8	67.2	ug/L	102		RSK SOP-175
	65.5	64.7	ug/L	99	3.2	RSK SOP-175
Ethene	61.5	62.4	ug/L	101		RSK SOP-175
	61.2	59.8	ug/L	98	3.7	RSK SOP-175
Methane	35.1	30.7	ug/L	87		RSK SOP-175
	34.9	29.7	ug/L	85	2.9	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D1D270259
MB Lot-Sample #: I1E080000-324
Work Order #...: EC12A1AA
Matrix.....: WATER
Prep Date.....: 05/07/01
Analysis Time..: 21:19
Analysis Date..: 05/07/01
Prep Batch #...: 1128324
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethane	ND	0.50	ug/L	RSK SOP-175
Ethene	ND	0.50	ug/L	RSK SOP-175
Methane	ND	0.50	ug/L	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: D1D270259 **Work Order #...:** EC68T1AA **Matrix.....:** WATER
MB Lot-Sample #: I1E110000-091

Prep Date.....: 05/09/01 **Analysis Time..:** 13:14
Analysis Date..: 05/09/01 **Prep Batch #...:** 1131091
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Ethane	ND	0.50	ug/L	RSK SOP-175
Ethene	ND	0.50	ug/L	RSK SOP-175
Methane	ND	0.50	ug/L	RSK SOP-175

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECHNF1A0-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D270259-009 ECHNF1A1-MSD
Date Sampled...: 04/25/01 13:40 **Date Received..:** 04/27/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/08/01
Prep Batch #...: 1128324 **Analysis Time..:** 00:22
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	**97**	**(68 - 104)**			**RSK SOP-175**
	94	**(68 - 104)**	**3.8**	**(0-14)**	**RSK SOP-175**
Ethene	**96**	**(69 - 102)**			**RSK SOP-175**
	93	**(69 - 102)**	**3.3**	**(0-15)**	**RSK SOP-175**
Methane	**88**	**(23 - 148)**			**RSK SOP-175**
	85	**(23 - 148)**	**3.5**	**(0-21)**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECHNF1A0-MS **Matrix.....:** WATER
MS Lot-Sample #: D1D270259-009 ECHNF1A1-MSD
Date Sampled...: 04/25/01 13:40 **Date Received..:** 04/27/01
Prep Date.....: 05/07/01 **Analysis Date..:** 05/08/01
Prep Batch #...: 1128324 **Analysis Time..:** 00:22
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	**ND**	**65.1**	**63.4**	**ug/L**	**97**		**RSK SOP-175**
	ND	**64.8**	**60.8**	**ug/L**	**94**	**3.8**	**RSK SOP-175**
Ethene	**ND**	**60.8**	**58.3**	**ug/L**	**96**		**RSK SOP-175**
	ND	**60.5**	**56.1**	**ug/L**	**93**	**3.3**	**RSK SOP-175**
Methane	**0.90**	**34.8**	**31.6**	**ug/L**	**88**		**RSK SOP-175**
	0.90	**34.6**	**30.3**	**ug/L**	**85**	**3.5**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECHTV1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: C1D270284-001 ECHTV1AE-MSD
Date Sampled...: 04/25/01 **Date Received..:** 04/27/01
Prep Date.....: 05/09/01 **Analysis Date..:** 05/09/01
Prep Batch #...: 1131091 **Analysis Time..:** 17:13
Dilution Factor: 50

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Ethane	**109 a,MSC**	**(68 - 104)**			**RSK SOP-175**
	108 a,MSC	**(68 - 104)**	**0.91**	**(0-14)**	**RSK SOP-175**
Ethene	**140 a,MSC**	**(69 - 102)**			**RSK SOP-175**
	146 a,MSC	**(69 - 102)**	**0.45**	**(0-15)**	**RSK SOP-175**
Methane	**99**	**(23 - 148)**			**RSK SOP-175**
	98	**(23 - 148)**	**1.2**	**(0-21)**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: D1D270259 **Work Order #...:** ECHTV1AD-MS **Matrix.....:** WATER
MS Lot-Sample #: C1D270284-001 ECHTV1AE-MSD
Date Sampled...: 04/25/01 **Date Received..:** 04/27/01
Prep Date.....: 05/09/01 **Analysis Date..:** 05/09/01
Prep Batch #...: 1131091 **Analysis Time..:** 17:13
Dilution Factor: 50

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Ethane	**ND**	**3250**	**3550**	**ug/L**	**109**		**RSK SOP-175**
	Qualifiers: a,MSC						
	ND	**3310**	**3590**	**ug/L**	**108**	**0.91**	**RSK SOP-175**
	Qualifiers: a,MSC						
Ethene	**6100**	**3030**	**10300**	**ug/L**	**140**		**RSK SOP-175**
	Qualifiers: a,MSC						
	6100	**3090**	**10600**	**ug/L**	**146**	**0.45**	**RSK SOP-175**
	Qualifiers: a,MSC						
Methane	**430**	**1730**	**2140**	**ug/L**	**99**		**RSK SOP-175**
	430	**1770**	**2160**	**ug/L**	**98**	**1.2**	**RSK SOP-175**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

print denotes control parameters

piked analyte recovery is outside stated control limits.

MSC The percent recovery of this analyte in the associated laboratory control sample is within control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1E010000-391 **Prep Batch #...:** 1121391					
Iron	104	(92 - 114)	SW846 6010B	05/09-05/10/01	ECL511CE
		Dilution Factor: 1			
		Analysis Time..: 14:50			
Manganese	102	(89 - 114)	SW846 6010B	05/09-05/10/01	ECL511CL
		Dilution Factor: 1			
		Analysis Time..: 15:27			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1E010000-391 **Prep Batch #...:** 1121391							
Iron	1.00	1.04	mg/L	104	SW846 6010B	05/09-05/10/01	ECL511CE
			Dilution Factor: 1				
			Analysis Time..: 14:50				
Manganese	500	0.511	mg/L	102	SW846 6010B	05/09-05/10/01	ECL511CL
			Dilution Factor: 1				
			Analysis Time..: 15:27				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1E010000-315 **Prep Batch #...:** 1121315					
Calcium	101	(88 - 108)	SW846 6010B Dilution Factor: 1 Analysis Time..: 09:12	05/07-05/09/01	ECLR41AG
Iron	103	(92 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 09:12	05/07-05/09/01	ECLR41AH
Potassium	100	(87 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 09:12	05/07-05/09/01	ECLR41AJ
Magnesium	104	(93 - 113)	SW846 6010B Dilution Factor: 1 Analysis Time..: 09:12	05/07-05/09/01	ECLR41AK
[illegible]ganese	106	(89 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 09:12	05/07-05/09/01	ECLR41AL

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D1E010000-315 **Prep Batch #...:** 1121315							
Calcium	50.0	50.6	mg/L	101	SW846 6010B	05/07-05/09/01	ECLR41AG
			Dilution Factor: 1				
			Analysis Time..: 09:12				
Iron	1.00	1.03	mg/L	103	SW846 6010B	05/07-05/09/01	ECLR41AH
			Dilution Factor: 1				
			Analysis Time..: 09:12				
Potassium	50.0	50.0	mg/L	100	SW846 6010B	05/07-05/09/01	ECLR41AJ
			Dilution Factor: 1				
			Analysis Time..: 09:12				
Magnesium	50.0	52.0	mg/L	104	SW846 6010B	05/07-05/09/01	ECLR41AK
			Dilution Factor: 1				
			Analysis Time..: 09:12				
nganese	0.500	0.528	mg/L	106	SW846 6010B	05/07-05/09/01	ECLR41AL
			Dilution Factor: 1				
			Analysis Time..: 09:12				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1E010000-391 **Prep Batch #...:** 1121391						
Iron	ND	0.10	mg/L	SW846 6010B	05/09-05/10/01	ECL511AR
		Dilution Factor: 1				
		Analysis Time..: 14:40				
Manganese	ND	0.010	mg/L	SW846 6010B	05/09-05/10/01	ECL511CK
		Dilution Factor: 1				
		Analysis Time..: 15:22				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D1E010000-315 **Prep Batch #...:** 1121315						
Calcium	ND	0.20	mg/L	SW846 6010B	05/07-05/09/01	ECLR41AA
		Dilution Factor: 1				
		Analysis Time..: 09:08				
Iron	ND	0.10	mg/L	SW846 6010B	05/07-05/09/01	ECLR41AC
		Dilution Factor: 1				
		Analysis Time..: 09:08				
Magnesium	ND	0.20	mg/L	SW846 6010B	05/07-05/09/01	ECLR41AE
		Dilution Factor: 1				
		Analysis Time..: 09:08				
Manganese	ND	0.010	mg/L	SW846 6010B	05/07-05/09/01	ECLR41AF
		Dilution Factor: 1				
		Analysis Time..: 09:08				
Potassium	ND	3.0	mg/L	SW846 6010B	05/07-05/09/01	ECLR41AD
		Dilution Factor: 1				
		Analysis Time..: 09:08				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER
Date Sampled...: 04/25/01 12:15 **Date Received..:** 04/26/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1D260296-002 **Prep Batch #...:** 1121391							
Iron	104	(92 - 114)			SW846 6010B	05/09-05/10/01	ECFE21F0
	107	(92 - 114)	2.3	(0-20)	SW846 6010B	05/09-05/10/01	ECFE21F1
		Dilution Factor: 1					
		Analysis Time..: 15:01					
Manganese	103	(89 - 114)			SW846 6010B	05/09-05/10/01	ECFE21GH
	104	(89 - 114)	1.1	(0-20)	SW846 6010B	05/09-05/10/01	ECFE21GJ
		Dilution Factor: 1					
		Analysis Time..: 17:02					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER
Date Sampled...: 04/25/01 12:15 **Date Received..:** 04/26/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1D260296-002 **Prep Batch #...:** 1121391									
Iron									
	0.16	1.00	1.20	mg/L	104		SW846 6010B	05/09-05/10/01	ECFE21F0
	0.16	1.00	1.23	mg/L	107	2.3	SW846 6010B	05/09-05/10/01	ECFE21F1
			Dilution Factor: 1						
			Analysis Time..: 15:01						
Manganese									
	0.11	0.500	0.626	mg/L	103		SW846 6010B	05/09-05/10/01	ECFE21GH
	0.11	0.500	0.633	mg/L	104	1.1	SW846 6010B	05/09-05/10/01	ECFE21GJ
			Dilution Factor: 1						
			Analysis Time..: 17:02						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER
Date Sampled...: 04/25/01 11:15 **Date Received..:** 04/27/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1D270259-008 **Prep Batch #...:** 1121315							
Calcium	97	(88 - 108)			SW846 6010B	05/07-05/09/01	ECHM21AJ
	96	(88 - 108)	0.98	(0-20)	SW846 6010B	05/07-05/09/01	ECHM21AK
		Dilution Factor: 1					
		Analysis Time..: 09:24					
Iron	99	(92 - 114)			SW846 6010B	05/07-05/09/01	ECHM21AL
	98	(92 - 114)	1.1	(0-20)	SW846 6010B	05/07-05/09/01	ECHM21AM
		Dilution Factor: 1					
		Analysis Time..: 09:24					
Magnesium	100	(93 - 113)			SW846 6010B	05/07-05/09/01	ECHM21AQ
	99	(93 - 113)	0.91	(0-20)	SW846 6010B	05/07-05/09/01	ECHM21AR
		Dilution Factor: 1					
		Analysis Time..: 09:24					
Manganese	101	(89 - 114)			SW846 6010B	05/07-05/09/01	ECHM21AT
	101	(89 - 114)	0.36	(0-20)	SW846 6010B	05/07-05/09/01	ECHM21AU
		Dilution Factor: 1					
		Analysis Time..: 09:24					
Potassium	96	(87 - 110)			SW846 6010B	05/07-05/09/01	ECHM21AN
	95	(87 - 110)	1.3	(0-20)	SW846 6010B	05/07-05/09/01	ECHM21AP
		Dilution Factor: 1					
		Analysis Time..: 09:24					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D1D270259 **Matrix.....:** WATER
Date Sampled...: 04/25/01 11:15 **Date Received..:** 04/27/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D1D270259-008 **Prep Batch #...:** 1121315									
Calcium									
	ND	50.0	48.8	mg/L	97		SW846 6010B	05/07-05/09/01	ECHM21AJ
	ND	50.0	48.3	mg/L	96	0.98	SW846 6010B	05/07-05/09/01	ECHM21AK
			Dilution Factor: 1						
			Analysis Time..: 09:24						
Iron									
	ND	1.00	1.01	mg/L	99		SW846 6010B	05/07-05/09/01	ECHM21AL
	ND	1.00	0.994	mg/L	98	1.1	SW846 6010B	05/07-05/09/01	ECHM21AM
			Dilution Factor: 1						
			Analysis Time..: 09:24						
Magnesium									
	ND	50.0	49.9	mg/L	100		SW846 6010B	05/07-05/09/01	ECHM21AQ
	ND	50.0	49.4	mg/L	99	0.91	SW846 6010B	05/07-05/09/01	ECHM21AR
			Dilution Factor: 1						
			Analysis Time..: 09:24						
Manganese									
	ND	0.500	0.507	mg/L	101		SW846 6010B	05/07-05/09/01	ECHM21AT
	ND	0.500	0.505	mg/L	101	0.36	SW846 6010B	05/07-05/09/01	ECHM21AU
			Dilution Factor: 1						
			Analysis Time..: 09:24						
Potassium									
	ND	50.0	48.2	mg/L	96		SW846 6010B	05/07-05/09/01	ECHM21AN
	ND	50.0	47.6	mg/L	95	1.3	SW846 6010B	05/07-05/09/01	ECHM21AP
			Dilution Factor: 1						
			Analysis Time..: 09:24						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D1D270259 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N		WO#:EC3FM1AC-LCS/EC3FM1AD-LCSD LCS Lot-Sample#: D1E090000-236					
	106	(91 - 111)			MCAWW 350.1	05/08/01	1129236
	105	(91 - 111)	0.71	(0-10)	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1					
Chloride		WO#:EC1K91AC-LCS/EC1K91AD-LCSD LCS Lot-Sample#: D1E080000-241					
	106	(92 - 109)			MCAWW 325.2	05/07/01	1128241
	107	(92 - 109)	0.61	(0-10)	MCAWW 325.2	05/07/01	1128241
		Dilution Factor: 1					
Nitrate-Nitrite		WO#:EC1JL1AC-LCS/EC1JL1AD-LCSD LCS Lot-Sample#: D1E080000-220					
	104	(90 - 110)			MCAWW 353.2	05/07/01	1128220
	104	(90 - 110)	0.23	(0-10)	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1					
Sulfate		WO#:ECK4R1AC-LCS/ECK4R1AD-LCSD LCS Lot-Sample#: D1D300000-494					
	98	(88 - 110)			MCAWW 375.4	04/30/01	1120494
	103	(88 - 110)	4.9	(0-11)	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 1					
Total Alkalinity		WO#:EC1Q51AC-LCS/EC1Q51AD-LCSD LCS Lot-Sample#: D1E080000-270					
	98	(95 - 110)			MCAWW 310.1	05/07/01	1128270
	97	(95 - 110)	1.1	(0-5.0)	MCAWW 310.1	05/07/01	1128270
		Dilution Factor: 1					
Total Dissolved Solids		WO#:ECXLT1AC-LCS/ECXLT1AD-LCSD LCS Lot-Sample#: D1E070000-201					
	103	(86 - 106)			MCAWW 160.1	05/02/01	1127201
	104	(86 - 106)	1.4	(0-20)	MCAWW 160.1	05/02/01	1127201
		Dilution Factor: 1					
Total Dissolved Solids		WO#:EC3301AC-LCS/EC3301AD-LCSD LCS Lot-Sample#: D1E090000-336					
	98	(86 - 106)			MCAWW 160.1	05/04/01	1129336
	98	(86 - 106)	0.81	(0-20)	MCAWW 160.1	05/04/01	1129336
		Dilution Factor: 1					
Total Organic Carbon		WO#:EC6DP1AC-LCS/EC6DP1AD-LCSD LCS Lot-Sample#: D1E100000-321					
	96	(90 - 110)			MCAWW 415.1	05/09/01	1130321
	94	(90 - 110)	1.4	(0-10)	MCAWW 415.1	05/09/01	1130321
		Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D1D270259

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D1D270259 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N			WO#:EC3FM1AC-LCS/EC3FM1AD-LCSD			LCS Lot-Sample#: D1E090000-236		
	4.00	4.23	mg/L	106		MCAWW 350.1	05/08/01	1129236
	4.00	4.20	mg/L	105	0.71	MCAWW 350.1	05/08/01	1129236
			Dilution Factor: 1					
Chloride			WO#:EC1K91AC-LCS/EC1K91AD-LCSD			LCS Lot-Sample#: D1E080000-241		
	50.0	53.2	mg/L	106		MCAWW 325.2	05/07/01	1128241
	50.0	53.5	mg/L	107	0.61	MCAWW 325.2	05/07/01	1128241
			Dilution Factor: 1					
Nitrate-Nitrite			WO#:EC1JL1AC-LCS/EC1JL1AD-LCSD			LCS Lot-Sample#: D1E080000-220		
	4.00	4.18	mg/L	104		MCAWW 353.2	05/07/01	1128220
	4.00	4.17	mg/L	104	0.23	MCAWW 353.2	05/07/01	1128220
			Dilution Factor: 1					
Sulfate			WO#:ECK4R1AC-LCS/ECK4R1AD-LCSD			LCS Lot-Sample#: D1D300000-494		
	25.0	24.4	mg/L	98		MCAWW 375.4	04/30/01	1120494
	25.0	25.7	mg/L	103	4.9	MCAWW 375.4	04/30/01	1120494
			Dilution Factor: 1					
Total Alkalinity			WO#:EC1Q51AC-LCS/EC1Q51AD-LCSD			LCS Lot-Sample#: D1E080000-270		
	33.7	33.0	mg/L	98		MCAWW 310.1	05/07/01	1128270
	33.7	32.7	mg/L	97	1.1	MCAWW 310.1	05/07/01	1128270
			Dilution Factor: 1					
Total Dissolved Solids			WO#:ECXLT1AC-LCS/ECXLT1AD-LCSD			LCS Lot-Sample#: D1E070000-201		
	712	732	mg/L	103		MCAWW 160.1	05/02/01	1127201
	712	742	mg/L	104	1.4	MCAWW 160.1	05/02/01	1127201
			Dilution Factor: 1					
Total Dissolved Solids			WO#:EC3301AC-LCS/EC3301AD-LCSD			LCS Lot-Sample#: D1E090000-336		
	500	492	mg/L	98		MCAWW 160.1	05/04/01	1129336
	500	488	mg/L	98	0.81	MCAWW 160.1	05/04/01	1129336
			Dilution Factor: 1					
Total Organic Carbon			WO#:EC6DP1AC-LCS/EC6DP1AD-LCSD			LCS Lot-Sample#: D1E100000-321		
	25.0	23.9	mg/L	96		MCAWW 415.1	05/09/01	1130321
	25.0	23.6	mg/L	94	1.4	MCAWW 415.1	05/09/01	1130321
			Dilution Factor: 1					

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D1D270259 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D1D270259 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N		Work Order #: EC3FM1AA		MB Lot-Sample #:	D1E090000-236	
	ND	0.10	mg/L	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1				
		Analysis Time..: 08:00				
Chloride		Work Order #: EC1K91AA		MB Lot-Sample #:	D1E080000-241	
	ND	2.5	mg/L	MCAWW 325.2	05/07/01	1128241
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Nitrate-Nitrite		Work Order #: EC1JL1AA		MB Lot-Sample #:	D1E080000-220	
	ND	0.10	mg/L	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1				
		Analysis Time..: 08:00				
Sulfate		Work Order #: ECK4R1AA		MB Lot-Sample #:	D1D300000-494	
	ND	5.0	mg/L	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 1				
		Analysis Time..: 13:00				
al Alkalinity		Work Order #: EC1Q51AA		MB Lot-Sample #:	D1E080000-270	
	ND	5.0	mg/L	MCAWW 310.1	05/07/01	1128270
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Total Dissolved Solids		Work Order #: ECXLT1AA		MB Lot-Sample #:	D1E070000-201	
	ND	10.0	mg/L	MCAWW 160.1	05/02/01	1127201
		Dilution Factor: 1				
		Analysis Time..: 17:06				
Total Dissolved Solids		Work Order #: EC3301AA		MB Lot-Sample #:	D1E090000-336	
	ND	10.0	mg/L	MCAWW 160.1	05/04/01	1129336
		Dilution Factor: 1				
		Analysis Time..: 17:59				
Total Organic Carbon		Work Order #: EC6DP1AA		MB Lot-Sample #:	D1E100000-321	
	ND	1.0	mg/L	MCAWW 415.1	05/09/01	1130321
		Dilution Factor: 1				
		Analysis Time..: 08:00				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D1D270259 **Matrix.....:** WATER
Date Sampled...: 05/03/01 14:05 **Date Received..:** 05/04/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N		WO#: ECHNW1A0-MS/ECHNW1A1-MSD				MS Lot-Sample #: D1D270259-014	
	69 N	(91 - 111)			MCAWW 350.1	05/08/01	1129236
	69 N	(91 - 111)	0.0	(0-10)	MCAWW 350.1	05/08/01	1129236
		Dilution Factor: 1					
		Analysis Time..: 08:00					
Chloride		WO#: ECV7A1AJ-MS/ECV7A1AK-MSD				MS Lot-Sample #: D1E040305-002	
	105	(92 - 109)			MCAWW 325.2	05/07/01	1128242
	103	(92 - 109)	0.96	(0-10)	MCAWW 325.2	05/07/01	1128242
		Dilution Factor: 1					
		Analysis Time..: 14:00					
Nitrate-Nitrite		WO#: ECHNK1A2-MS/ECHNK1A3-MSD				MS Lot-Sample #: D1D270259-010	
	96	(90 - 110)			MCAWW 353.2	05/07/01	1128220
	100	(90 - 110)	3.2	(0-10)	MCAWW 353.2	05/07/01	1128220
		Dilution Factor: 1					
		Analysis Time..: 08:00					
Sulfate		WO#: ECHNN1A0-MS/ECHNN1A1-MSD				MS Lot-Sample #: D1D270259-011	
	100	(88 - 110)			MCAWW 375.4	04/30/01	1120494
	100	(88 - 110)	0.0	(0-11)	MCAWW 375.4	04/30/01	1120494
		Dilution Factor: 1					
		Analysis Time..: 13:00					
Total Organic Carbon		WO#: EA5HW1AM-MS/EA5HW1AN-MSD				MS Lot-Sample #: D1D200156-012	
	93	(90 - 110)			MCAWW 415.1	05/09/01	1130321
	94	(90 - 110)	0.55	(0-10)	MCAWW 415.1	05/09/01	1130321
		Dilution Factor: 1					
		Analysis Time..: 08:00					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D1D270259 **Matrix.....:** WATER
Date Sampled...: 05/03/01 14:05 **Date Received..:** 05/04/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Ammonia as N			WO#: ECHNW1A0-MS/ECHNW1A1-MSD				MS Lot-Sample #: D1D270259-014		
	0.30	5.00	3.73 N	mg/L	69		MCAWW 350.1	05/08/01	1129236
	0.30	5.00	3.73 N	mg/L	69	0.0	MCAWW 350.1	05/08/01	1129236
			Dilution Factor: 1						
			Analysis Time..: 08:00						
Chloride			WO#: ECV7A1AJ-MS/ECV7A1AK-MSD				MS Lot-Sample #: D1E040305-002		
	41.6	50.0	94.2	mg/L	105		MCAWW 325.2	05/07/01	1128242
	41.6	50.0	93.3	mg/L	103	0.96	MCAWW 325.2	05/07/01	1128242
			Dilution Factor: 1						
			Analysis Time..: 14:00						
Nitrate-Nitrite			WO#: ECHNK1A2-MS/ECHNK1A3-MSD				MS Lot-Sample #: D1D270259-010		
	2.1	5.00	6.86	mg/L	96		MCAWW 353.2	05/07/01	1128220
	2.1	5.00	7.08	mg/L	100	3.2	MCAWW 353.2	05/07/01	1128220
			Dilution Factor: 1						
			Analysis Time..: 08:00						
Sulfate			WO#: ECHNN1A0-MS/ECHNN1A1-MSD				MS Lot-Sample #: D1D270259-011		
	172	250	421	mg/L	100		MCAWW 375.4	04/30/01	1120494
	172	250	421	mg/L	100	0.0	MCAWW 375.4	04/30/01	1120494
			Dilution Factor: 1						
			Analysis Time..: 13:00						
Total Organic Carbon			WO#: EA5HW1AM-MS/EA5HW1AN-MSD				MS Lot-Sample #: D1D200156-012		
	2.0	25.0	25.3	mg/L	93		MCAWW 415.1	05/09/01	1130321
	2.0	25.0	25.5	mg/L	94	0.55	MCAWW 415.1	05/09/01	1130321
			Dilution Factor: 1						
			Analysis Time..: 08:00						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D1D270259 **Work Order #...:** ECFKW-SMP ECFKW-DUP **Matrix.....:** WATER

Date Sampled...: 04/25/01 15:20 **Date Received..:** 04/26/01

% Moisture.....: 100 **Dilution Factor:** **Initial Wgt/Vol:**

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D1D260322-001	
	106	106	mg/L	0.057	(0-5.0)	MCAWW 310.1	05/07/01	1128270

Dilution Factor: 1 Analysis Time..: 09:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D1D270259 **Work Order #...:** EAR87-SMP EAR87-DUP **Matrix.....:** WATER

Date Sampled...: 04/11/01 08:00 **Date Received..:** 04/13/01

% Moisture.....: 100 **Dilution Factor:** **Initial Wgt/Vol:**

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
						SD Lot-Sample #: D1D130110-014		
Total Dissolved Solids	394	370	mg/L	6.3	(0-20)	MCAWW 160.1	05/02/01	1127201

Dilution Factor: 1 Analysis Time..: 17:06

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D1D270259 **Work Order #...:** ECJW8-SMP ECJW8-DUP **Matrix.....:** WATER

Date Sampled...: 04/27/01 09:27 **Date Received..:** 04/28/01

% Moisture.....: 100 **Dilution Factor:** **Initial Wgt/Vol:**

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
						SD Lot-Sample #: D1D280156-003		
Total Dissolved Solids	691	686	mg/L	0.73	(0-20)	MCAWW 160.1	05/04/01	1129336

Dilution Factor: 1 Analysis Time..: 17:59

HOLD TIME REPORT

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: GCMS VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D270259001	SK-SW-1	04/25/01 08:30								
			8260B		8		14		05/03/01 14:28	VOA
D1D270259002	SK-SW-2	04/25/01 08:55								
			8260B		8		14		05/03/01 14:51	VOA
D1D270259003	SK-SW-3	04/25/01 09:15								
			8260B		8		14		05/03/01 15:14	VOA
D1D270259004	SK-SW-4	04/25/01 09:35								
			8260B		8		14		05/03/01 15:37	VOA
D1D270259005	SK-SW-5	04/25/01 09:50								
			8260B		8		14		05/03/01 16:00	VOA
D1D270259006	TRIP BLANK	04/25/01 00:00								
			8260B		8		14		05/03/01 16:23	VOA
D1D270259007	FB-42501	04/25/01 11:00								
			8260B		8		14		05/03/01 16:46	VOA
D1D270259008	RB-01	04/25/01 11:15								
			8260B		8		14		05/03/01 17:08	VOA
D1D270259009	RSCI-1	04/25/01 13:40								
			8260B		8		14		05/03/01 17:31	VOA
D[illegible]0259010	SK-4Z	04/25/01 10:50								
			8260B		8		14		05/03/01 12:54	VOA
D1D270259011	SK-4S	04/25/01 10:40								
			8260B		8		14		05/03/01 17:54	VOA
D1D270259012	HRI-03	04/25/01 11:50								
			8260B		8		14		05/03/01 18:17	VOA
D1D270259013	TRIP BLANK	04/25/01 00:00								
			8260B		8		14		05/03/01 21:30	VOA
D1D270259014	UPMW-10	04/25/01 14:45								
			8260B		9		14		05/04/01 15:52	VOA
D1D270259015	UPMW-11	04/25/01 14:05								
			8260B		9		14		05/04/01 16:20	VOA
D1D270259016	UPMW-14	04/25/01 15:05								
			8260B		8		14		05/03/01 22:54	VOA
D1D270259017	WND-32	04/25/01 14:25								
			8260B		9		14		05/04/01 16:47	VOA

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: GC VOA

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D270259009	RSCI-1	04/25/01 13:40								
			SOP-175		12		14		05/07/01 23:41	
D1D270259010	SK-4Z	04/25/01 10:50								
			SOP-175		12		14		05/07/01 23:45	
D1D270259011	SK-4S	04/25/01 10:40								
			SOP-175		12		14		05/07/01 23:48	
D1D270259012	HRI-03	04/25/01 11:50								
			SOP-175		12		14		05/07/01 23:52	
D1D270259014	UPMW-10	04/25/01 14:45								
			SOP-175		12		14		05/07/01 23:57	
			SOP-175		14		14		05/09/01 13:40	
D1D270259015	UPMW-11	04/25/01 14:05								
			SOP-175		13		14		05/08/01 00:03	
D1D270259016	UPMW-14	04/25/01 15:05								
			SOP-175		13		14		05/08/01 00:08	
			SOP-175		14		14		05/09/01 13:44	
D1D270259017	WND-32	04/25/01 14:25								
			SOP-175		13		14		05/08/01 00:16	

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: METALS

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D270259008	RB-01	04/25/01 11:15								
			6010B		14		180		05/09/01 09:16	ICP
D1D270259009	RSCI-1	04/25/01 13:40								
			6010B		14		180		05/09/01 09:31	ICP
			6010B		15		180		05/10/01 15:09	ICP
			6010B		15		180		05/10/01 15:31	ICP
D1D270259010	SK-4Z	04/25/01 10:50								
			6010B		14		180		05/09/01 09:35	ICP
			6010B		15		180		05/10/01 15:36	ICP
			6010B		16		180		05/11/01 18:24	ICP
D1D270259011	SK-4S	04/25/01 10:40								
			6010B		14		180		05/09/01 09:39	ICP
			6010B		15		180		05/10/01 15:18	ICP
			6010B		15		180		05/10/01 15:41	ICP
D1D270259012	HRI-03	04/25/01 11:50								
			6010B		14		180		05/09/01 09:43	ICP
			6010B		15		180		05/10/01 15:22	ICP
			6010B		15		180		05/10/01 15:46	ICP
D1[illegible]259014	UPMW-10	04/25/01 14:45								
			6010B		14		180		05/09/01 09:54	ICP
			6010B		15		180		05/10/01 15:33	ICP
			6010B		15		180		05/10/01 16:23	ICP
D1D270259015	UPMW-11	04/25/01 14:05								
			6010B		14		180		05/09/01 09:58	ICP
			6010B		15		180		05/10/01 15:37	ICP
			6010B		15		180		05/10/01 16:28	ICP
D1D270259016	UPMW-14	04/25/01 15:05								
			6010B		14		180		05/09/01 10:02	ICP
			6010B		15		180		05/10/01 15:41	ICP
			6010B		15		180		05/10/01 16:33	ICP
D1D270259017	WND-32	04/25/01 14:25								
			6010B		14		180		05/09/01 10:06	ICP
			6010B		15		180		05/10/01 15:45	ICP
			6010B		15		180		05/10/01 16:37	ICP

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D270259009	RSCI-1	04/25/01 13:40								
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			415.1		14		28		05/09/01 08:00	
			325.2		12		28		05/07/01 14:00	
			353.2		12		28		05/07/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/02/01 17:06	TDS
			375.4		5		28		04/30/01 13:00	
D1D270259010	SK-4Z	04/25/01 10:50								
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			415.1		14		28		05/09/01 08:00	
			325.2		12		28		05/07/01 14:00	
			353.2		12		28		05/07/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/02/01 17:06	TDS
			375.4		5		28		04/30/01 13:00	
D1[illegible]0259011	SK-4S	04/25/01 10:40								
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			415.1		14		28		05/09/01 08:00	
			325.2		12		28		05/07/01 14:00	
			353.2		12		28		05/07/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/02/01 17:06	TDS
			375.4		5		28		04/30/01 13:00	
D1D270259012	HRI-03	04/25/01 11:50								
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			415.1		14		28		05/09/01 08:00	
			325.2		12		28		05/07/01 14:00	
			353.2		12		28		05/07/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/02/01 17:06	TDS
			375.4		5		28		04/30/01 13:00	

SAFETY KLEEN CONSULTING

Wichita, KS

HOLD TIME REPORT

Lab: GENERAL CHEMISTRY

Lab ID #	Well ID	Collection Date	Method	Ext Dif	Ana Dif	Ext Hold	Ana Hold	Extraction Date	Analysis Date	Method Description
D1D270259014	UPMW-10	04/25/01 14:45								
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			415.1		14		28		05/09/01 08:00	
			325.2		12		28		05/07/01 14:00	
			353.2		12		28		05/07/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/02/01 17:06	TDS
			375.4		5		28		04/30/01 13:00	
D1D270259015	UPMW-11	04/25/01 14:05								
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			415.1		14		28		05/09/01 08:00	
			325.2		12		28		05/07/01 14:00	
			353.2		12		28		05/07/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/02/01 17:06	TDS
			375.4		5		28		04/30/01 13:00	
D[illegible]0259016	UPMW-14	04/25/01 15:05								
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			415.1		14		28		05/09/01 08:00	
			325.2		12		28		05/07/01 14:00	
			353.2		12		28		05/07/01 08:00	Nitrate-Nitrite
			160.1		7		7		05/02/01 17:06	TDS
			375.4		5		28		04/30/01 13:00	
D1D270259017	WND-32	04/25/01 14:25								
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			310.1		12		14		05/07/01 09:00	Alkalinity
			415.1		14		28		05/09/01 08:00	
			325.2		12		28		05/07/01 14:00	
			353.2		12		28		05/07/01 08:00	Nitrate-Nitrite
			160.1		**9**		**7**	**05/04/01 17:59**	**05/04/01 17:59**	**TDS**
			375.4		5		28		04/30/01 13:00	

Chain of Custody Record

STL-4124 (0700) DEN (0900)

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SOC
4-27-01

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

Client	Safety-Kleen Consulting
Address	5777 Central Avenue, Suite 100
City / State / Zip Code	Boulder / CO / 80301
Project Name and Location (State)	S-K Wichita, KS
Contract/Purchase Order/Quote No.	
Project Manager	Kay Tauscher
Telephone Number (Area Code)/Fax Number	303-939-5535 / 303-939-5520
Site Contact	Ron Robertson
Lab Contact	
Carrier/Waybill Number	
Date	4/25/01
Chain of Custody Number	041161
Lab Number	
Page ____ of ____	

Analysis (Attach list if more space is needed)

	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	HNO3	TDS/Alk/Cl/SO4	VOC's	Dissolved Gases	Total Metals	Dissolved Metals	TOC/Mg-Na/NH3	Special Instructions/ Conditions of Receipt
1	SK-SW-1	04/25/01	830		X						3					3					
2	SK-SW-2	04/25/01	855		X						3					3					
3	SK-SW-3	04/25/01	915		X						3					3					
4	SK-SW-4	04/25/01	935		X						3					3					
5	SK-SW-5	04/25/01	950		X						3					3					
6	Trip Blank 04/18/01	~~04/25/01~~ JS	—		X						1					1					
7	FB-H2501	04/25/01	1100		X						3					3					
8	RB-01	04/25/01	1115		X						3			1		3			1		
9	RSCI-1	04/25/01	1340		X			1	1		6			2	1	3	3	1	1	1	
10	SK-4Z	04/25/01	1050		X			1	1		6			2	1	3	3	1	1	1	
11	SK-4S	04/25/01	1040		X			1	1		6			2	1	3	3	1	1	1	
12	HRI-03	04/25/01	1150		X			1	1		6			2	1	3	3	1	1	1	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Jeff Sorbi	04/25/01 JS	1800
2. Relinquished By		
3. Relinquished By		

	Date	Time
1. Received By: [signature]	4-27-01	1000
2. Received By		
3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

14:

[redacted]

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

4-27 AM 4-27-01

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (0700) **DEN (0900)**

Client: SAFETY-KLEEN CONSULTING	Project Manager: KAY TAUSCHER	Date: 4/25/01	Chain of Custody Number: 041162
Address: 5777 Central Avenue, Suite 100	Telephone Number (Area Code)/Fax Number: 303-938-5535 / 303-938-5520	Lab Number	Page ____ of ____
City: Boulder; State: CO; Zip Code: 80301	Site Contact: Rex Robertson	Lab Contact	
Project Name and Location (State): S-K Wichita, KS	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH	HNO3	TDS/ALK/Cl/SO4	VOC's	Dissolved Gases	Total Metals	Dissolved Metals	TOC/Nitrate, Nitrite	Special Instructions/ Conditions of Receipt
13	Trip Blank	04/19/01	—		X						1					1					
14	UP MW-10	04/25/01	1445		X			1	1		6			2	1	3	3	1	1	1	
15	UP MW-11	04/25/01	1405		X			1	1		6			2	1	3	3	1	1	1	
16	UP MW-14	04/25/01	1505		X			1	1		6			2	1	3	3	1	1	1	
17	WND-32	04/25/01	1425		X			1	1		6			2	1	3	3	1	1	1	

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [X] 14 Days [ ] 21 Days [ ] Other ____

QC Requirements (Specify)

1. Relinquished By: Jeff Sorbi	Date: 04/25/01	Time: 1800	1. Received By: [signature]	Date: 4-27-01	Time: 1130
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy