356768

CONTAINER INVENTORY LOG

WRS Infrastructure and Environment, Inc. (WRS) Container No. _____

PROJECT LOCATION: Scheffer-SALT Factory
PROJECT NO.:
PROJECT CONTACT: Jordan
PHONE:
LOGGER: Todd Reinold
SAMPLER: Red/BW
WEATHER:
DATE: 4/25/01
TIME:

SHIPPING TYPE	Fiber ☐ Steel ☐ Poly ☐ Stainless Steel ☐ Nickel ☐ Glass ☐ Poly-lined ☐ Ring Top ☐ Closed Top ☐ Overpack ☐ Other ☒
CONDITION	Meets DOT Spec. ☐ Good ☐ Fair ☐ Poor ☐
SIZE	95 ☐ 85 ☐ 55 ☐ 30 ☐ 10 ☐ 5 ☐ Other ☐
CONTENTS	Full ☐ 3/4 ☐ 1/2 ☐ 1/4 ☐ <1/4 ☐ MT ☐

Physical State					Color	Clarity			Layer Thickness	Field Analysis
Layers	Liquid	Solid	Gel	Sludge	Use STD Colors	Clear	Cloudy	Opaque	Inches	pH ____ SU PID ____ ppm Dosimeter ____ mrem/hr Other: ____
T	X				Clear	X				
M	X	X			clear	X				Drum Labels/Markings
B		X			Dark marble			X		DOT Haz ☐ UN/NA ☐

MFG LABEL INFO: N/A
CHEMICAL NAME: N/A
ADDITIONAL INFORMATION: N/A

SECONDARY LABEL:

LABORATORY COMPATABILITY DATA

☒ Mark if physical state and color matches the above information. If not, stop analysis and notify Project Manager or Supervisor.

COMPATABILITY CAT:
ANALYSTS: TK
DATE PERFORMED: 4/25/01

Physical State					Color	Clarity			Water Sol.	Reactives (Water)	Reactives (Air)	pH	Hydrogen Sulf.	Peroxides	Oxidizer	CN	SULF	Bleach	Toulene Filter	PCBs
Layers	Liquid	Solid	Gel	Sludge	Use STD Colors	Clear	Cloudy	Opaque	Y or N	+ or -	+ or -	Std Unit	Y or N	+ or -	+ or -	+ or -	+ or -	+ or -	+ or -	+ or -
T	X	X			Clear	X			Y	-	-	7	N	-	-	-	-			
M	X				clear	X			Y	-	-	4	N	-	-	-	-			
B		X			Dark m			X	N	-	-	9	N	-	-	-	-			

COMMENTS:

DATA REVIEWER: _____ DATA REVIEW DATE: _____

STL Envirotech
a division of Severn Trent Laboratories, Inc.

STL Envirotech
777 New Durham Road
Edison, NJ 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.stl-inc.com

June 7, 2000

PMK Group
629 Springfield Road
Kenilworth, NJ 07033

Attention: Mr. Bill Call

Re: Job No. Z784 - Schaeffer Salts

Dear Mr. Call:

Enclosed are the results you requested for the following sample(s) received at our laboratory on May 01, 2000:

Lab No.	Client ID	Analysis Required
201478	SW-1	Priority Pollutants +40, Chloride

If you have any questions please contact your Project Manager, Brian Reddy, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

STL Envirotech
a division of Severn Trent Laboratories, Inc.

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Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Analyzed: 05/07/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v15859.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.7
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Extracted: 05/03/00
Date Analyzed: 06/05/00
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m2199.d

Matrix: WATER
Level: LOW
Sample Volume: 700 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Phenol	ND	1.4
2-Chlorophenol	ND	2.7
2-Nitrophenol	ND	2.4
2,4-Dimethylphenol	ND	1.8
2,4-Dichlorophenol	ND	1.8
4-Chloro-3-methylphenol	ND	2.7
2,4,6-Trichlorophenol	ND	0.9
2,4-Dinitrophenol	ND	1.6
4-Nitrophenol	ND	1.4
4,6-Dinitro-2-methylphenol	ND	1.8
Pentachlorophenol	ND	2.4

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Extracted: 05/03/00
Date Analyzed: 06/05/00
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m2199.d

Matrix: WATER
Level: LOW
Sample Volume: 700 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	0.7
bis(2-Chloroethyl)ether	ND	1.6
1,3-Dichlorobenzene	ND	0.8
1,4-Dichlorobenzene	ND	0.8
1,2-Dichlorobenzene	ND	0.8
bis(2-chloroisopropyl)ether	ND	1.5
N-Nitroso-di-n-propylamine	ND	1.2
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.2
Isophorone	ND	1.2
bis(2-Chloroethoxy)methane	ND	1.3
1,2,4-Trichlorobenzene	ND	0.8
Naphthalene	ND	1.1
Hexachlorobutadiene	ND	0.8
Hexachlorocyclopentadiene	ND	1.3
2-Chloronaphthalene	ND	1.1
Dimethylphthalate	ND	0.7
Acenaphthylene	ND	0.7
2,6-Dinitrotoluene	ND	1.0
Acenaphthene	ND	0.8
2,4-Dinitrotoluene	ND	0.8
Diethylphthalate	ND	0.6
4-Chlorophenyl-phenylether	ND	0.8
Fluorene	ND	1.0
N-Nitrosodiphenylamine	ND	0.8
4-Bromophenyl-phenylether	ND	1.8
Hexachlorobenzene	ND	0.8
Phenanthrene	ND	0.7
Anthracene	ND	0.4
Di-n-butylphthalate	ND	0.7
Fluoranthene	ND	0.7
Pyrene	ND	0.8
Benzidine	ND	19
Butylbenzylphthalate	ND	1.0

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Extracted: 05/03/00
Date Analyzed: 06/05/00
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m2199.d

Matrix: WATER
Level: LOW
Sample Volume: 700 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	6.8
Benzo(a)anthracene	ND	0.6
Chrysene	ND	0.9
bis(2-Ethylhexyl)phthalate	ND	2.8
Di-n-octylphthalate	ND	0.5
Benzo(b)fluoranthene	ND	0.5
Benzo(k)fluoranthene	ND	0.9
Benzo(a)pyrene	ND	0.4
Indeno(1,2,3-cd)pyrene	ND	0.7
Dibenz(a,h)anthracene	ND	0.4
Benzo(g,h,i)perylene	ND	0.6

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample ID: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Extracted: 05/02/00
Date Analyzed: 05/04/00
GC Column: DB-608
Instrument ID: PESTGC2.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: yr042450.d

ORGANOCHLORINE PESTICIDES/PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aldrin	ND	0.01
alpha-BHC	ND	0.02
beta-BHC	ND	0.01
delta-BHC	ND	0.01
gamma-BHC (Lindane)	ND	0.02
Chlordane	ND	0.20
4,4'-DDD	ND	0.01
4,4'-DDE	ND	0.01
4,4'-DDT	ND	0.01
Dieldrin	ND	0.01
Endosulfan I	ND	0.01
Endosulfan II	ND	0.01
Endosulfan sulfate	ND	0.01
Endrin	ND	0.01
Endrin aldehyde	ND	0.01
Heptachlor	ND	0.01
Heptachlor epoxide	ND	0.01
Toxaphene	ND	0.40
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.40
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	ND	4.5	P
Arsenic	80.5	3.6	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	9.5	1.1	P
Copper	11.9	2.7	P
Lead	5.3	2.1	P
Mercury	ND	0.10	CV
Nickel	1.5	1.4	P
Selenium	ND	4.5	P
Silver	ND	1.1	P
Thallium	ND	4.1	P
Zinc	13.4	5.2	P

M Column - Method Code (See Section 2 of Report)

Site: Schaeffer Salts

Lab Job No: Z784

Date Sampled: 5/1/00
Date Received: 5/1/00
Matrix: WATER

Date Analyzed: 5/2/00
QA Batch: 1432

CHLORIDE

STL-Envirotech Sample #	Client ID	Dilution Factor	Analytical Result Units: mg/l
201478	SW-1	100	1550

Quantitation Limit for Chloride is 5.0 mg/l for an undiluted sample.

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability	- Method 1020A
Corrosivity	- Water pH Method 9040B Soil pH Method 9045C
Reactivity	- Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release
Toxicity	- TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND - The compound was not detected at the indicated concentration.

B - Reported value is less than the Method Detection Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Analyzed: 05/07/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v15859.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.7
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3
Xylene (Total)	ND	0.3

Client ID: VV128A
Site:

Lab Sample No: VV128A
Lab Job No: Z784

Date Sampled: _____
Date Received: _____
Date Analyzed: 05/07/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v15851.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.5
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.7
Chloroethane	ND	0.4
Methylene Chloride	ND	0.8
Acetone	ND	1.3
Carbon Disulfide	ND	0.7
Trichlorofluoromethane	ND	0.3
1,1-Dichloroethene	ND	0.4
1,1-Dichloroethane	ND	0.4
trans-1,2-Dichloroethene	ND	0.4
cis-1,2-Dichloroethene	ND	0.4
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
2-Butanone	ND	1.1
1,1,1-Trichloroethane	ND	0.3
Carbon Tetrachloride	ND	0.4
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.2
cis-1,3-Dichloropropene	ND	0.1
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.3
Benzene	ND	0.3
trans-1,3-Dichloropropene	ND	0.3
2-Chloroethyl Vinyl Ether	ND	0.5
Bromoform	ND	0.1
4-Methyl-2-Pentanone	ND	0.6
2-Hexanone	ND	0.6
Tetrachloroethene	ND	0.3
1,1,2,2-Tetrachloroethane	ND	0.1
Toluene	ND	0.3
Chlorobenzene	ND	0.2
Ethylbenzene	ND	0.3

Client ID: VV128A
Site:

Lab Sample No: VV128A
Lab Job No: Z784

Date Sampled: _____
Date Received: _____
Date Analyzed: 05/07/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v15851.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Styrene	ND	0.2
Xylene (Total)	ND	0.3
Ethyl Ether	ND	0.5
Acrolein	ND	9.1
Freon TF	ND	0.3
Isopropanol	ND	500
Acetonitrile	ND	100
TBA	ND	17
Acrylonitrile	ND	11
MTBE	ND	0.2
Hexane	ND	1.0
DIPE	ND	0.2
Ethyl Acetate	ND	0.8
Vinyl Acetate	ND	5.0
Tetrahydrofuran	ND	5.0
Cyclohexane	ND	0.3
Isobutanol	ND	500
Isopropyl Acetate	ND	0.9
n-Heptane	ND	1.0
n-Butanol	ND	250
Propyl Acetate	ND	0.9
Butyl Acetate	ND	1.0
1,2-Dibromoethane	ND	0.1
1,3-Dichlorobenzene	ND	0.3
1,4-Dichlorobenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.3
Naphthalene	ND	0.7
Methylnaphthalene (total)	ND	1.0
Dimethylnaphthalene (total)	ND	1.0
Dichlorodifluoromethane	ND	0.2
1,4-Dioxane	ND	380
n-Pentane	ND	0.7
5-Methyl-2-Hexanone	ND	5.0
Isopropylbenzene	ND	0.2

Client ID: VV128A
Site:

Lab Sample No: VV128A
Lab Job No: Z784

Date Sampled: _____
Date Received: _____
Date Analyzed: 05/07/00
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v15851.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS (cont'd)
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
1,2,4-Trimethylbenzene	ND	1.0
Cyclohexanone	ND	100
1,2,4-Trichlorobenzene	ND	0.7
Methyl Methacrylate	ND	0.4
Allyl Alcohol	ND	1000
Epichlorohydrin	ND	5.3
Allyl Chloride	ND	5.0
Benzyl Chloride	ND	1.0
Isoprene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.090
Camphene (total)	ND	20
Camphor	ND	20
1,3,5-Trimethylbenzene	ND	1.0
1,2,3-Trichlorobenzene	ND	1.0
n-Butylbenzene	ND	1.0
sec-Butylbenzene	ND	1.0
tert-Butylbenzene	ND	1.0
p-Isopropyltoluene	ND	1.0
n-Propylbenzene	ND	1.0
m+p-Ethyltoluene	ND	1.0
o-Ethyltoluene	ND	1.0
Methyl Acetate	ND	0.4
Methyl cyclohexane	ND	0.3
1,2-Dibromo-3-chloropropane	ND	1.0
Cyclohexene	ND	1.0
1,2-Dichlorotrifluoroethane	ND	1.0
n-Propanol	ND	250
3-Methyl-1-Pentyn-3-ol	ND	250
Propylene Oxide	ND	50

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Extracted: 05/03/00
Date Analyzed: 06/05/00
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m2199.d

Matrix: WATER
Level: LOW
Sample Volume: 700 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Phenol	ND	1.4
2-Chlorophenol	ND	2.7
2-Nitrophenol	ND	2.4
2,4-Dimethylphenol	ND	1.8
2,4-Dichlorophenol	ND	1.8
4-Chloro-3-methylphenol	ND	2.7
2,4,6-Trichlorophenol	ND	0.9
2,4-Dinitrophenol	ND	1.6
4-Nitrophenol	ND	1.4
4,6-Dinitro-2-methylphenol	ND	1.8
Pentachlorophenol	ND	2.4

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Extracted: 05/03/00
Date Analyzed: 06/05/00
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m2199.d

Matrix: WATER
Level: LOW
Sample Volume: 700 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	0.7
bis(2-Chloroethyl)ether	ND	1.6
1,3-Dichlorobenzene	ND	0.8
1,4-Dichlorobenzene	ND	0.8
1,2-Dichlorobenzene	ND	0.8
bis(2-chloroisopropyl)ether	ND	1.5
N-Nitroso-di-n-propylamine	ND	1.2
Hexachloroethane	ND	1.0
Nitrobenzene	ND	1.2
Isophorone	ND	1.2
bis(2-Chloroethoxy)methane	ND	1.3
1,2,4-Trichlorobenzene	ND	0.8
Naphthalene	ND	1.1
Hexachlorobutadiene	ND	0.8
Hexachlorocyclopentadiene	ND	1.3
2-Chloronaphthalene	ND	1.1
Dimethylphthalate	ND	0.7
Acenaphthylene	ND	0.7
2,6-Dinitrotoluene	ND	1.0
Acenaphthene	ND	0.8
2,4-Dinitrotoluene	ND	0.8
Diethylphthalate	ND	0.6
4-Chlorophenyl-phenylether	ND	0.8
Fluorene	ND	1.0
N-Nitrosodiphenylamine	ND	0.8
4-Bromophenyl-phenylether	ND	1.8
Hexachlorobenzene	ND	0.8
Phenanthrene	ND	0.7
Anthracene	ND	0.4
Di-n-butylphthalate	ND	0.7
Fluoranthene	ND	0.7
Pyrene	ND	0.8
Benzidine	ND	19
Butylbenzylphthalate	ND	1.0

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Extracted: 05/03/00
Date Analyzed: 06/05/00
GC Column: DB-5
Instrument ID: BNAMS6.i
Lab File ID: m2199.d

Matrix: WATER
Level: LOW
Sample Volume: 700 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	6.8
Benzo(a)anthracene	ND	0.6
Chrysene	ND	0.9
bis(2-Ethylhexyl)phthalate	ND	2.8
Di-n-octylphthalate	ND	0.5
Benzo(b)fluoranthene	ND	0.5
Benzo(k)fluoranthene	ND	0.9
Benzo(a)pyrene	ND	0.4
Indeno(1,2,3-cd)pyrene	ND	0.7
Dibenz(a,h)anthracene	ND	0.4
Benzo(g,h,i)perylene	ND	0.6

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample ID: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00
Date Extracted: 05/02/00
Date Analyzed: 05/04/00
GC Column: DB-608
Instrument ID: PESTGC2.i

Matrix: WATER
Sample Volume: 980 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: yr042450.d

ORGANOCHLORINE PESTICIDES/PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aldrin	ND	0.01
alpha-BHC	ND	0.02
beta-BHC	ND	0.01
delta-BHC	ND	0.01
gamma-BHC (Lindane)	ND	0.02
Chlordane	ND	0.20
4,4'-DDD	ND	0.01
4,4'-DDE	ND	0.01
4,4'-DDT	ND	0.01
Dieldrin	ND	0.01
Endosulfan I	ND	0.01
Endosulfan II	ND	0.01
Endosulfan sulfate	ND	0.01
Endrin	ND	0.01
Endrin aldehyde	ND	0.01
Heptachlor	ND	0.01
Heptachlor epoxide	ND	0.01
Toxaphene	ND	0.40
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.40
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

Client ID: WP123
Site:

Lab Sample ID: WP123
Lab Job No: Z784

Date Sampled: _____
Date Received: _____
Date Extracted: 05/02/00
Date Analyzed: 05/03/00
GC Column: DB-608
Instrument ID: PESTGC2.i

Matrix: WATER
Sample Volume: 1000 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: yr042437.d

ORGANOCHLORINE PESTICIDES/PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aldrin	ND	0.01
alpha-BHC	ND	0.02
beta-BHC	ND	0.01
delta-BHC	ND	0.01
gamma-BHC (Lindane)	ND	0.02
Chlordane	ND	0.20
4,4'-DDD	ND	0.01
4,4'-DDE	ND	0.01
4,4'-DDT	ND	0.01
Dieldrin	ND	0.01
Endosulfan I	ND	0.01
Endosulfan II	ND	0.01
Endosulfan sulfate	ND	0.01
Endrin	ND	0.01
Endrin aldehyde	ND	0.01
Endrin ketone	ND	0.01
Heptachlor	ND	0.01
Heptachlor epoxide	ND	0.01
Methoxychlor	ND	0.03
Toxaphene	ND	0.40
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.30
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.20
Aroclor-1260	ND	0.40
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

Client ID: SW-1
Site: Schaeffer Salts

Lab Sample No: 201478
Lab Job No: Z784

Date Sampled: 05/01/00
Date Received: 05/01/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Antimony	ND	4.5	P
Arsenic	80.5	3.6	P
Beryllium	ND	0.20	P
Cadmium	ND	0.40	P
Chromium	9.5	1.1	P
Copper	11.9	2.7	P
Lead	5.3	2.1	P
Mercury	ND	0.10	CV
Nickel	1.5	1.4	P
Selenium	ND	4.5	P
Silver	ND	1.1	P
Thallium	ND	4.1	P
Zinc	13.4	5.2	P

M Column - Method Code (See Section 2 of Report)

Site: Schaeffer Salts

Lab Job No: Z784

Date Sampled: 5/1/00
Date Received: 5/1/00
Matrix: WATER

Date Analyzed: 5/2/00
QA Batch: 1432

CHLORIDE

STL-Envirotech Sample #	Client ID	Dilution Factor	Analytical Result Units: mg/l
201478	SW-1	100	1550

Quantitation Limit for Chloride is 5.0 mg/l for an undiluted sample.