December 9, 2003

Mr. Walter Wintsch
New York State Department of Environmental Conservation
Office of Environmental Quality, Region 4
1150 North Wescott Road
Schenectady, New York 12306-2014

Subject: September 2003 Quarterly Sampling Results for
Alexander Schmigel Site
Hoosick Falls, New York

Dear Mr. Wintsch:

On behalf of Honeywell, Parsons is pleased to present this letter report for the September 2003 groundwater sampling event at Honeywell's Alexander Schmigel site near Hoosick Falls, New York. Parsons conducted groundwater sampling on September 17, 2003. Groundwater samples gure 1). No groundwater sample was collected from monitoring well OW-29 due to well casing damage not allowing a sampling bailer or tubing down to the groundwater column. New York State Department of Environmental Conservation (NYSDEC) also collected samples from each location for external analysis.

The following sections describe the project approach and findings for the sampling effort. Attachment 1 presents a sitewere collected at monitoring wells OW-27, OW-28, as well as the cistern located north of OW-29 (Fi plan and a summary table. Attachment 2 presents a copy of the laboratory analytical data.

Background

The site is located northeast of Hoosick Falls, New York. Background information indicates that the site was at one time a sand and gravel pit where various waste materials (i.e., construction and demolition debris), including approximately 165 partially full drums of waste products, were placed. Several rounds of groundwater sample results since 1986 have showed volatile organic compounds (VOCs) present in groundwater, with a general trend of decreasing concentrations over time. In a letter dated May 17, 2002, the New York State Department of Environmental Conservation (NYSDEC) requested that Honeywell resume the quarterly monitoring program.

Groundwater Sampling

September, 2003

Parsons mobilized to the site on September 17, 2003 to purge and sample monitoring wells OW-27, OW-28, and the cistern. Monitoring well OW-29 was not sampled due to the reason stated above. Parsons purged each well and cistern using a low-flow peristaltic pump. All associated tubing was dedicated to one well and cistern to prevent cross-contamination. Groundwater field parameters (pH, temperature, and specific conductance) were measured for OW-27, OW-28, and the cistern during purging (Table 1). The wells were allowed to recharge before sampling occurred. Higher water levels produced greater recharge rates; therefore all samples were collected on September 17, 2003. A minimum of three well volumes were purged prior to sampling. However, if the well or cistern purged dry, then the depth to water at each sampling location was allowed to recover to within 80% of the initial depth to water and then sampled. Field measurements were collected while purging for all the locations.

Groundwater samples from two of the three monitoring wells (OW-27 and OW-28) and the cistern (Cistern #1), as well as a duplicate sample from the cistern (Cistern #2), were collected and submitted for analysis to Columbia Analytical Services (CAS) in Rochester, New York, (New York ID # 10145) using standard chain-of-custody procedures. Samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) (EPA SW846 Method 8260B) and methyl cellosolve (EPA SW846 Method 8015). Laboratory data sheets are presented in Attachment 2.

Results and Conclusions

A total of three VOC compounds, as well as, methyl cellosolve were detected during this sampling event. Acetone was detected at a concentration of 6.5 ug/L in the cistern duplicate sample (Cistern #2), toluene at a concentration of 1.8 ug/L in the OW-28 sample, and carbon disulfide at a concentration of 1.2 ug/L in the OW-27 sample. Methyl cellosolve was also detected at a concentration of 1,000 ug/L in the original cistern sample (Cistern #1). All four compounds detected, with the exception of acetone and toluene, are not regulated by the NYSDEC Principal Organic Contaminant (POC) Groundwater Standards, therefore no standards or guidance values are available. However, acetone and toluene are regulated compounds and have groundwater standards of 50.0 and 5.0 ug/L, respectively. The observed concentrations of acetone and toluene in the groundwater samples collected during the sampling event did not exceed the NYSDEC groundwater criteria. The concentrations of carbon disulfide and methyl cellosolve in recent sampling events were non-detect. It is possible that the detected concentrations of carbon disulfide and methyl cellosolve may be related to laboratory error.

Based on the analytical results presented above and from past sampling events, it is Honeywell's intention to petition the NYSDEC, Region 4 to have the site delisted from the

NYSDEC's Inactive Hazardous Waste Site List. It is also Honeywell's intention to terminate the quarterly groundwater monitoring program currently in-place and will not be conducting any future groundwater sampling events. Honeywell is also looking forward to receiving the forms required by the NYSDEC to initiate a site delisting petition/request as sent recently by Mr. Tom Koch of the NYDEC, Region 4. In the interim, if you have any questions or require any additional information, please feel free to contact me at (716) 633-7074 or Mr. Bill Snyder at (973) 455-3190.

Sincerely,

Robert Kuberka
Project Manager

cc. Project File 742641
Ed Ashton, Parsons, Syracuse, NY
Deb Christian, NYSDEC
Tom Koch, NYSDEC
David Cooke, Honeywell
Bill Snyder, Honeywell
Mark Van Valkenburg, NYDOH

ATTACHMENT 1

FIGURES AND TABLES

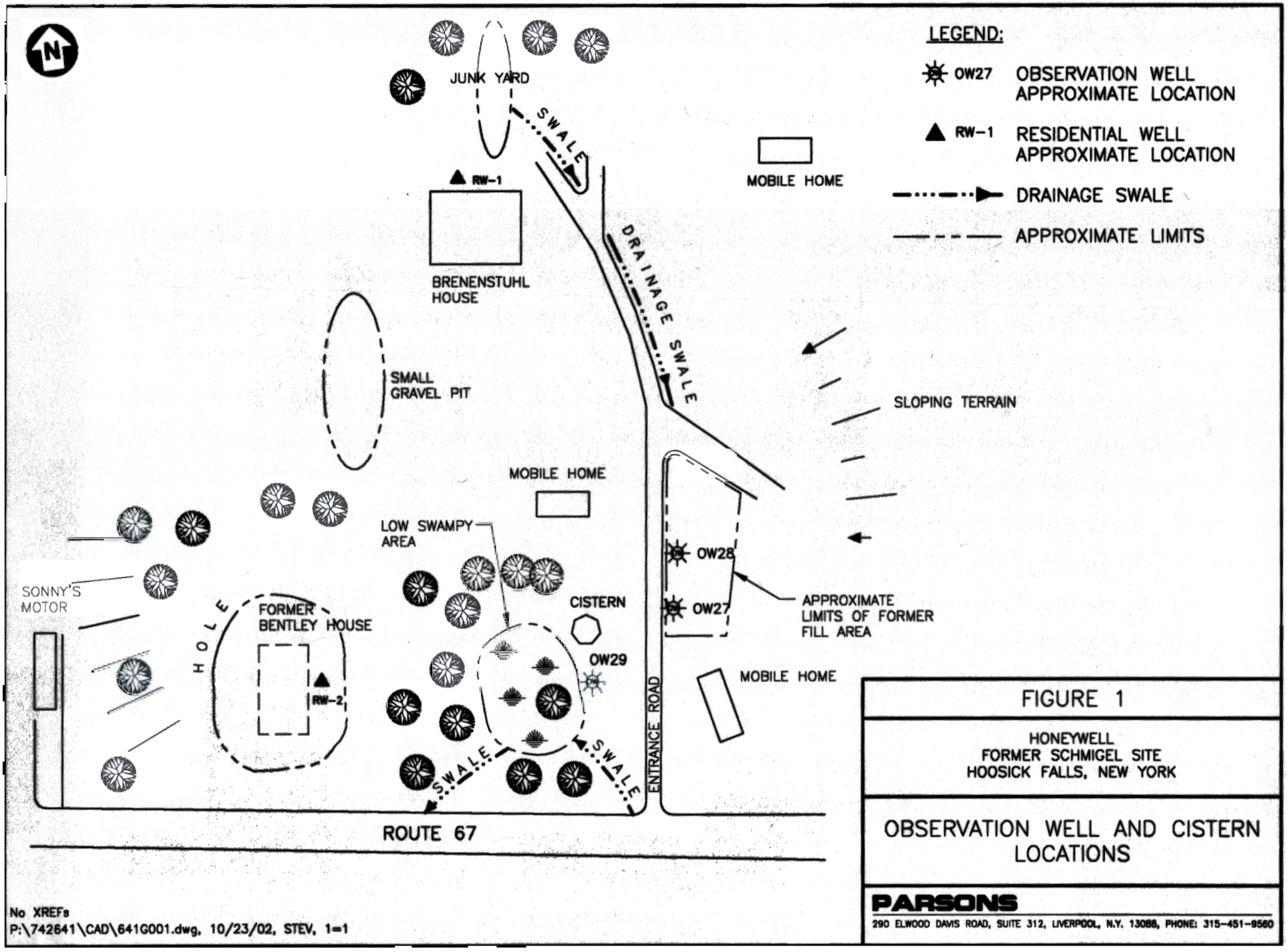
N
LEGEND:
OW27 OBSERVATION WELL APPROXIMATE LOCATION
RW-1 RESIDENTIAL WELL APPROXIMATE LOCATION
DRAINAGE SWALE
APPROXIMATE LIMITS
JUNK YARD
SWALE
RW-1
MOBILE HOME
BRENENSTUHL HOUSE
DRAINAGE SWALE
SMALL GRAVEL PIT
SLOPING TERRAIN
MOBILE HOME
LOW SWAMPY AREA
OW28
OW27
APPROXIMATE LIMITS OF FORMER FILL AREA
SONNY'S MOTOR
HOLE
FORMER BENTLEY HOUSE
RW-2
CISTERN
OW29
MOBILE HOME
ENTRANCE ROAD
SWALE
SWALE
ROUTE 67
No XREFs
P:\742641\CAD\641G001.dwg, 10/23/02, STEV, 1=1
FIGURE 1
HONEYWELL
FORMER SCHMIGEL SITE
HOOSICK FALLS, NEW YORK
OBSERVATION WELL AND CISTERN LOCATIONS
PARSONS
290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, N.Y. 13088, PHONE: 315-451-9560

TABLE 1

ALEXANDER SCHMIGEL PROPERTY
QUARTERLY GROUNDWATER MONITORING

Water Level Measurement and Groundwater Field Parameters
September 17, 2003

Monitoring Well	pH	Temp. (ºF)	Specific Conductance (mhos)	Volume Removed (gallons)	Depth to Water* (ft)	Purge Rate (mL/min)
OW-27	5.94	77.9	0.24	0.25	13.40	<200
OW-28	5.89	68.8	0.10	0.25	8.40	200 to 250
OW-29	NM	NM	NM	NM	5.25	NM
Cistern	5.87	68.4	0.11	0.50	1.60	<200

Notes:

NM = Not measured
* = Wells and cistern purged dry prior to 3 well volumes extracted from sampling location. Wells and cistern were allowed to recover to within 80% of initial depth to water and then sampled.

ATTACHMENT 2

LABORATORY ANALYSIS

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

October 15, 2003

Mr. Rob Kuberka
Parsons Engineering Science
180 Lawrence Bell Drive
Suite 100
Amherst, NY 14221

PROJECT:HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Submission #:R2318494

Dear Mr. Kuberka

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Mark Wilson
Client Service Manager

Enc

Columbia Analytical Services inc

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Lab Submission # : R2318494
Project Manager : Mark Wilson
Reported : 10/15/03

Report Contains a total of 17 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

Columbia Analytical Services inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2318494

Lab ID	Client ID
673683	CISTERN #1
673684	CISTERN #2
673685	OW-28
673687	OW-27
673691	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC.

An Employee - Owned Company

Effective 6/12/2003

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 10/15/03

Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Client Sample ID : CISTERN #1

Date Sampled : 09/17/03 **Order #:** 673683 **Sample Matrix:** WATER
Date Received: 09/19/03 **Submission #:** R2318494 **Analytical Run** 95822

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/26/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	5.0 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	99	%
TOLUENE-D8	(88 - 124 %)	109	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	104	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8015B METHANOL
Reported: 10/15/03

Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Client Sample ID : CISTERN #1

Date Sampled : 09/17/03 **Order #:** 673683 **Sample Matrix:** WATER
Date Received: 09/19/03 **Submission #:** R2318494 **Analytical Run** 95761

ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 09/25/03				
ANALYTICAL DILUTION: 1.00				
METHYL CELLOSOLVE		1000	1000	UG/L
SURROGATE RECOVERIES	QC LIMITS			
1-PROPANOL	(50 - 150 %)		105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 10/15/03

Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Client Sample ID : CISTERN #2

Date Sampled : 09/17/03 **Order #:** 673684 **Sample Matrix:** WATER
Date Received: 09/19/03 **Submission #:** R2318494 **Analytical Run** 95822

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/26/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	6.5	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	97	%
TOLUENE-D8	(88 - 124 %)	107	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8015B METHANOL
Reported: 10/15/03

Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Client Sample ID : CISTERN #2

Date Sampled : 09/17/03 **Order #:** 673684 **Sample Matrix:** WATER
Date Received: 09/19/03 **Submission #:** R2318494 **Analytical Run** 95761

ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 09/25/03				
ANALYTICAL DILUTION: 1.00				
METHYL CELLOSOLVE		1000	1000 U	UG/L
SURROGATE RECOVERIES	QC LIMITS			
1-PROPANOL	(50 - 150 %)		95	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 10/15/03

Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Client Sample ID : OW-28

Date Sampled : 09/17/03 **Order #:** 673685 **Sample Matrix:** WATER
Date Received: 09/19/03 **Submission #:** R2318494 **Analytical Run** 95822

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/26/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	5.0 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.8	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	97	%
TOLUENE-D8	(88 - 124 %)	106	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	106	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8015B METHANOL
Reported: 10/15/03

Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Client Sample ID : OW-28

Date Sampled : 09/17/03 **Order #:** 673685 **Sample Matrix:** WATER
Date Received: 09/19/03 **Submission #:** R2318494 **Analytical Run** 95761

ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 09/25/03				
ANALYTICAL DILUTION: 1.00				
METHYL CELLOSOLVE		1000	1000 U	UG/L
SURROGATE RECOVERIES	QC LIMITS			
1-PROPANOL	(50 - 150 %)		122	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 10/15/03

Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Client Sample ID : OW-27

Date Sampled : 09/17/03 **Order #:** 673687 **Sample Matrix:** WATER
Date Received: 09/19/03 **Submission #:** R2318494 **Analytical Run** 95822

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/26/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	5.0 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.2	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	96	%
TOLUENE-D8	(88 - 124 %)	106	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	104	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8015B METHANOL
Reported: 10/15/03

Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Client Sample ID : OW-27

Date Sampled : 09/17/03 **Order #:** 673687 **Sample Matrix:** WATER
Date Received: 09/19/03 **Submission #:** R2318494 **Analytical Run** 95761

ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 09/25/03				
ANALYTICAL DILUTION: 1.00				
METHYL CELLOSOLVE		1000	1000 U	UG/L
SURROGATE RECOVERIES	QC LIMITS			
1-PROPANOL	(50 - 150 %)		111	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 10/15/03

Parsons Engineering Science
Project Reference: HONEYWELL-ALEXANDER SCHMIGEL 742641.0650
Client Sample ID : TRIP BLANK

Date Sampled : 09/17/03 **Order #:** 673691 **Sample Matrix:** WATER
Date Received: 09/19/03 **Submission #:** R2318494 **Analytical Run** 95822

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/26/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	5.0 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	98	%
TOLUENE-D8	(88 - 124 %)	110	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 675343 ANALYTICAL RUN # : 95822

DATE ANALYZED : 09/25/03
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	95	50 - 150
BENZENE	20.0	105	70 - 130
BROMODICHLOROMETHANE	20.0	103	70 - 130
BROMOFORM	20.0	96	70 - 130
BROMOMETHANE	20.0	108	50 - 150
2-BUTANONE (MEK)	20.0	77	50 - 150
CARBON DISULFIDE	20.0	94	70 - 130
CARBON TETRACHLORIDE	20.0	96	70 - 130
CHLOROBENZENE	20.0	99	70 - 130
CHLOROETHANE	20.0	97	70 - 130
CHLOROFORM	20.0	100	70 - 130
CHLOROMETHANE	20.0	82	70 - 130
DIBROMOCHLOROMETHANE	20.0	100	70 - 130
1,1-DICHLOROETHANE	20.0	93	70 - 130
1,2-DICHLOROETHANE	20.0	99	70 - 130
1,1-DICHLOROETHENE	20.0	113	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	94	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	96	70 - 130
1,2-DICHLOROPROPANE	20.0	93	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	97	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	95	70 - 130
ETHYLBENZENE	20.0	102	70 - 130
2-HEXANONE	20.0	95	70 - 130
METHYLENE CHLORIDE	20.0	99	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	92	70 - 130
STYRENE	20.0	97	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	82	70 - 130
TETRACHLOROETHENE	20.0	103	70 - 130
TOLUENE	20.0	103	70 - 130
1,1,1-TRICHLOROETHANE	20.0	96	70 - 130
1,1,2-TRICHLOROETHANE	20.0	99	70 - 130
TRICHLOROETHENE	20.0	113	70 - 130
VINYL CHLORIDE	20.0	95	70 - 130
O-XYLENE	20.0	99	70 - 130
M+P-XYLENE	40.0	101	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 10/15/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #: 675342** **Sample Matrix: WATER**
Date Received: **Submission #:** **Analytical Run 95822**

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 09/26/03			
ANALYTICAL DILUTION: 1.00			
ACETONE	5.0	5.0 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
2-BUTANONE (MEK)	5.0	5.0 U	UG/L
CARBON DISULFIDE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
2-HEXANONE	5.0	5.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	5.0	5.0 U	UG/L
STYRENE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L
O-XYLENE	1.0	1.0 U	UG/L
M+P-XYLENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 118 %)	97	%
TOLUENE-D8	(88 - 124 %)	108	%
DIBROMOFLUOROMETHANE	(87 - 115 %)	104	%

13A

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No 674958

Dup Spiked Order No 674959

Client ID:

Test: 8015B METHANOL

Analytical Units

Run Number

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	BLANK SPIKE FOUND	BLANK SPIKE % REC.	BLANK SPIKE DUP. FOUND	BLANK SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
METHYL CELLOSOLVE	20000	0	16300	82	16200	81	1	30	50 - 150

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8015B METHANOL
Reported: 10/15/03

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 674957 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 95761

ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED	: 09/25/03			
ANALYTICAL DILUTION:	1.00			
METHYL CELLOSOLVE		1000	1000 U	UG/L
SURROGATE RECOVERIES	QC LIMITS			
1-PROPANOL	(50 - 150 %)		88	%

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ISR #

CAS Contact

Project Name: Alexander Honeywell-Schrigel
Project Number: 742641.0650
Project Manager: Ron Kubzsta
Report CC: Ed Ashton
Company/Address: Parsons, 290 Elwood Davis Rd, Suite 312, Liverpool, NY 13088
Phone #: 315-451-9560
FAX#: 315-451-9570
Sampler's Signature: Ed Ashton
Sampler's Printed Name: Ed Ashton

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's 8260 ☐624 ☐CLP	GC/MS SVOA's 8270 ☐625 ☐CLP	GC VOA's 8021 ☐601/602	PESTICIDES 8081 ☐608 ☐CLP	PCB's 8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	TCL-VOCs 8260	MeOH 8015	1	1	REMARKS/ ALTERNATE DESCRIPTION
Cistern #1	673683	9/17/13	1118	water	6								✓	✓			
Cistern #2	84	9/17/13	1210	water	6								✓	✓			
OW-28	85	9/17/13	1300	water	6								✓	✓			
OW-27	87	9/17/13	1315	water	2								✓				
OW-27	↓	9/17/13	1355	water	2									✓			
Trip Blank	91	—	—	water	3								✓				

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 24 hr ___ 48 hr ___ 5 day
✓ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
___ V. Speicalized Forms / Custom Report
Edata ___ Yes ___ No

INVOICE INFORMATION
PO#
BILL TO:

SUBMISSION #: 123 8494

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Ed Ashton	Signature: Brad Emerson	Signature:	Signature: Gregory D. Emerson	Signature:	Signature:
Printed Name: Ed Ashton	Printed Name:	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: Parsons	Firm: Velocity	Firm:	Firm: CAS	Firm:	Firm:
Date/Time: 9/18/13 - 1200	Date/Time:	Date/Time:	Date/Time: 9-19-13 11:00	Date/Time:	Date/Time:

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Parsons Submission Number RA-18494 (Velocity)

Cooler received on 9-19-03 by: AE COURIER: CAS UPS FEDEX CD&L CLIENT

1.	Were custody seals on outside of cooler?	(YES)	NO			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant air bubbles?	YES	(NO)	N/A		
5.	Were Ice or Ice packs present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	4°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 9-19-03 @ 11:15

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 9-19-03 by: AE

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH					
2	HNO_3					
2	H_2SO_4					
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

**If pH adjustment is required, use NaOH and/or H_2SO_4

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2				

Other Comments: