April 11, 2016

Mr. Gene Mao
Guilford County Division of Environmental Health
400 W. Market Street, Suite 300
Greensboro, North Carolina 27401

Re: February 2016 Potable Well Sampling Results
Former Asphalt Testing Site No. 3-8
WBS Element No. 34613.3.9
Stokesdale, Guilford County, North Carolina
Project No. 70147325

Dear Mr. Mao:

On behalf of the North Carolina Department of Transportation (NCDOT), Terracon Consultants, Inc. (Terracon) is submitting the enclosed results of potable well sampling conducted in February 2016.

The NCDOT collects water samples on a quarterly basis from selected potable wells located within 0.5 mile of the former asphalt testing facility located at the APAC Plant on US Highway 158 in Stokesdale. The wells included in the sampling program are those identified in a previous receptor survey (AECOM, 2013). A map depicting the tax parcels located within the defined well survey is included as Figure 1.

Point of entry (POE) water treatment systems are installed at four nearby properties (Hardin, I. Fields, Rumley, and Mason/Jarvis/Harrell). POE maintenance is subcontracted with EMS Environmental, Inc. (contact: Aaron Rogers, 919-596-0470).

NCDOT retained Terracon to collect samples from the influent (pre-treated) water supply and effluent (treated) water supply at each of these residences. Additionally, water samples were collected from six wells that do not have POE systems. Each sample was analyzed for volatile organic compounds (VOCs) via United States Environmental Protection Agency Method 8260. The attached Table 1 lists the property owners and a summary of the laboratory analytical results.
The following is a summary of the sampling results from wells with POE systems:

- In the influent (pre-treatment) sample from well 8-PW-5, tricholoroethene (TCE) was detected at a concentration of 2.1 micrograms per liter (µg/L), which is below its North Carolina 2L groundwater quality standard (2L standard) of 3 µg/L and its EPA maximum contaminant level drinking water quality standard (EPA MCL) of 5 µg/L. Carbon tetrachloride was detected at a concentration of 0.86 µg/L, which is above its 2L standard of 0.3 µg/L and below its EPA MCL of 5.0 µg/L. In the effluent (treated) sample from well 8-PW-5, VOCs were not detected above laboratory reporting limits.

- In the influent sample from well 8-PW-8, TCE was detected at a concentration of 0.78 µg/L, which is below its respective 2L standards and EPA MCL. In the effluent (treated) sample from well 8-PW-8, VOCs were not detected above laboratory reporting limits.

- In the influent sample from well 8-PW-3, VOCs were not detected above laboratory reporting limits. In the effluent sample from 8-PW-3, bromoform was detected at a concentration of 1.1 micrograms per liter (µg/L) and 4-methyl-2-pentanone was detected at an estimated concentration of 0.46 µg/L. The bromoform concentration is below its respective North Carolina 2L groundwater quality standards (2L Standard) and EPA maximum contaminant level drinking water quality standard (MCL). Bromoform was also detected in the trip blank at an estimated concentration of 0.4 J. A 2L Standard and MCL have not been established for 4-methyl-2-pentanone.

- VOCs were not detected above laboratory reporting limits in the influent or effluent samples from well 8-PW-4.

The following is a summary of the sampling results from wells without POE systems:

- In the sample from well 8-PW-2, TCE was detected at an estimated concentration (0.32 J µg/L) below its 2L standard of 3.0 µg/L and its EPA MCL of 5.0 µg/L.

- In the sample from well 8-PW-5A, 1,2-dichloropropane was detected at a concentration of 0.70 µg/L, above its 2L standard of 0.6 µg/L and below its EPA MCL of 5.0 µg/L. It is understood that well 8-PW-5A services a barn and is not used for residential purposes.

- In the sample from well 8-PW-5B, 1,2-dichloropropane was detected at an concentration (0.29 J µg/L), below its 2L standard and EPA MCL.

- VOCs were not detected above laboratory reporting limits in the remaining sampled wells without POE systems (8-PW-1, 8-PW-7, 8-PW-9, and 8-PW-10).

If you have any questions regarding the results of the potable well sampling, please contact Michael Jordan at 919.436.2969.

Sincerely,
Terracon Consultants, Inc.

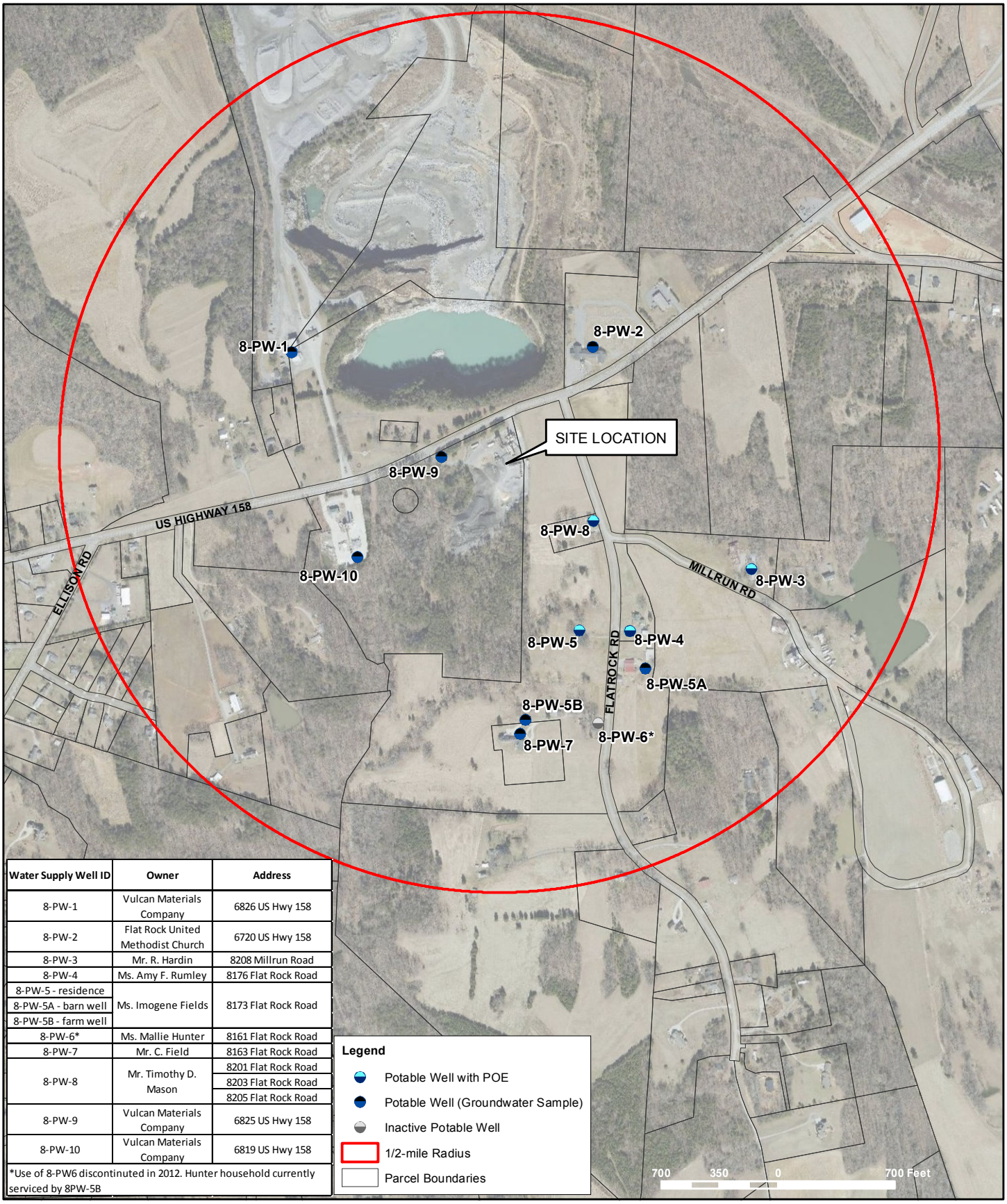
Casey M. Portela

Casey Portela
Field Environmental Scientist

Michael Jordan, P.G., RSM
Senior Geologist

Attachments: Figure 1 NCDOT Stokesdale Site 3-8 Potable Well Locations, February 2016
Table 1 Summary of Compounds Detected in Water Supply Wells, February 2016
Laboratory Analytical Data Reports

cc: Mr. Chris Niver (NCDOT)



Water Supply Well ID	Owner	Address
8-PW-1	Vulcan Materials Company	6826 US Hwy 158
8-PW-2	Flat Rock United Methodist Church	6720 US Hwy 158
8-PW-3	Mr. R. Hardin	8208 Millrun Road
8-PW-4	Ms. Amy F. Rumley	8176 Flat Rock Road
8-PW-5 - residence	Ms. Imogene Fields	8173 Flat Rock Road
8-PW-5A - barn well		
8-PW-5B - farm well		
8-PW-6*	Ms. Mallie Hunter	8161 Flat Rock Road
8-PW-7	Mr. C. Field	8163 Flat Rock Road
8-PW-8	Mr. Timothy D. Mason	8201 Flat Rock Road
		8203 Flat Rock Road
		8205 Flat Rock Road
8-PW-9	Vulcan Materials Company	6825 US Hwy 158
8-PW-10	Vulcan Materials Company	6819 US Hwy 158

*Use of 8-PW6 discontinuted in 2012. Hunter household currently serviced by 8PW-5B

N W E S

Project No. 70147325

Drawn By: CMP

Checked By: MTJ

Date: 7/27/15

Terracon

2401 Brentwood Rd, Suite 107 Raleigh, NC 27604

Phone: (919) 873-2211 Fax: (919) 873-9555

Potable Well Locations (February 2016)

Former Asphalt Testing Lab No. 3-8
6826 US Highway 158
Stokesdale, Guilford County, North Carolina

FIGURE NO. 1

Table 1
Summary of Compounds Detected in Water Supply Wells (February 2016)
Former Asphalt Plant No. 3-8
6826 US Highway 158
Stokesdale, Guilford County, North Carolina
Terracon Project No. 70147325

	Potable Wells							Potable Wells with POE Systems								NCAC 2L GWQS	EPA MCL
Sample ID:	8-PW-1	8-PW-2	8-PW-5A	8-PW-5B	8-PW-7	8-PW-9	8-PW-10	8-PW-3 midline	8-PW-3 effluent	8-PW-4 influent	8-PW-4 effluent	8-PW-5 influent	8-PW-5 effluent	8-PW-8 influent	8-PW-8 effluent		
WSW Owner:	Vulcan	FRUM	IFBW	IFFW	C. Fields	Vulcan	Vulcan	Hardin		Rumley		IFR		Mason			
Sample Date:	02/10/16	02/10/16	02/10/16	02/10/16	02/10/16	02/10/16	02/10/16	02/10/16		02/11/16		02/12/16		02/12/16			
Volatile Organic Compounds (EPA Method 8260)																	
Bromoform	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.5	<0.50	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	4	80
Carbon Tetrachloride	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.86	<0.50	<0.50	<0.50	0.3	5
1,2-Dichloropropane	<0.50	<0.50	0.70	0.29 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	5
4-Methyl-2-pentanone	<10	<10	<10	<10	<10	<10	<10	<10	0.46 J	<10	<10	<10	<10	<0.50	<10	NE	NE
Trichlorethene	<0.50	0.32 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	0.78	<0.50	3.0	5

Notes:
Detected compounds are shown in the table
Concentrations are reported in micrograms per liter (µg/L)
NCAC 2L GWQS - North Carolina Administrative Code Subchapter 2L Groundwater Quality Standards (April 1, 2013)
Detections highlighted in grey exceed their respective NCAC 2L GWQS
MCL: Maximum Contaminant Level - drinking water quality standard established by the Environmental Protection Agency (Six Year Review, March 2010)
J: Compound was detected at an estimated concentration above the method detection limit and below the reporting limit
B: Compound was detected in the method blank
NE: Not Established

Water Supply Well (WSW) Owner:
Vulcan -- Vulcan Materials
FRUM -- Flat Rock United Methodist
IFBW -- I. Fields barn well
IFFW -- I. Fields farm well
IFR -- I. Fields residence

Report of Analysis

Terracon Consultants, Inc.
2401 Brentwood Road
Suite 107 I
Raleigh, NC 27604
Attention: Casey Portela

Project Name: **Stokesdale Asphalt Site 3-8**

Project Number: **70147325**

Lot Number: **RB11013**

Date Completed: **02/16/2016**

Nisreen Saikaly
Project Manager

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The following non-paginated documents are considered part of this report: Chain of Custody Record and Sample Receipt Checklist.

Case Narrative
Terracon Consultants, Inc.
Lot Number: RB11013

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved NELAC standards, the Shealy Environmental Services, Inc. ("Shealy") Quality Assurance Management Plan (QAMP), standard operating procedures (SOPs), and Shealy policies. Any exceptions to the NELAC standards, the QAMP, SOPs or policies are qualified on the results page or discussed below.

If you have any questions regarding this report please contact the Shealy Project Manager listed on the cover page.

Sample Summary
Terracon Consultants, Inc.
Lot Number: RB11013

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	8PW-2	Aqueous	02/10/2016 0920	02/11/2016
002	8PW-9	Aqueous	02/10/2016 0925	02/11/2016
003	8PW-10	Aqueous	02/10/2016 1000	02/11/2016
004	8PW-1	Aqueous	02/10/2016 1030	02/11/2016
005	8PW-8 INFUENT	Aqueous	02/10/2016 1040	02/11/2016
006	8PW-8 EFFLUENT	Aqueous	02/10/2016 1040	02/11/2016
007	8PW-5 INFLUENT	Aqueous	02/10/2016 1120	02/11/2016
008	8PW-5 EFFLUENT	Aqueous	02/10/2016 1125	02/11/2016
009	8PW-4 INFLUENT	Aqueous	02/10/2016 1145	02/11/2016
010	8PW-4 EFFLUENT	Aqueous	02/10/2016 1140	02/11/2016
011	8PW-5A	Aqueous	02/10/2016 1150	02/11/2016
012	8PW-5B	Aqueous	02/10/2016 1220	02/11/2016
013	8PW-7	Aqueous	02/10/2016 1225	02/11/2016
014	8PW-3 INFLUENT	Aqueous	02/10/2016 1255	02/11/2016
015	8PW-3 EFFLUENT	Aqueous	02/10/2016 1250	02/11/2016
016	TRIP BLANK	Aqueous	02/10/2016	02/11/2016

(16 samples)

Executive Summary
Terracon Consultants, Inc.
Lot Number: RB11013

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	8PW-2	Aqueous	Trichloroethene	8260B	0.32	J	ug/L	6
005	8PW-8 INFUENT	Aqueous	Trichloroethene	8260B	0.78		ug/L	14
007	8PW-5 INFLUENT	Aqueous	Carbon tetrachloride	8260B	0.86		ug/L	17
007	8PW-5 INFLUENT	Aqueous	Trichloroethene	8260B	2.1		ug/L	18
011	8PW-5A	Aqueous	1,2-Dichloropropane	8260B	0.70		ug/L	25
012	8PW-5B	Aqueous	1,2-Dichloropropane	8260B	0.29	J	ug/L	27
015	8PW-3 EFFLUENT	Aqueous	Bromoform	8260B	1.1		ug/L	33
015	8PW-3 EFFLUENT	Aqueous	4-Methyl-2-pentanone	8260B	0.46	J	ug/L	33
016	TRIP BLANK	Aqueous	Acetone	8260B	2.1	J	ug/L	35
016	TRIP BLANK	Aqueous	Bromoform	8260B	0.40	J	ug/L	35

(10 detections)

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-001**
Description: **8PW-2**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 0920**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1744	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-001**
Description: **8PW-2**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 0920**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1744	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**0.32**	**J**	**0.50**	**0.27**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-002**
Description: **8PW-9**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 0925**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1807	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-002**
Description: **8PW-9**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 0925**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1807	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		89	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-003**
Description: **8PW-10**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1000**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1830	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-003**
Description: **8PW-10**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1000**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1830	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		87	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-004**
Description: **8PW-1**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1030**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1854	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-004**
Description: **8PW-1**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1030**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1854	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-005**
Description: **8PW-8 INFUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1040**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1917	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-005**
Description: **8PW-8 INFUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1040**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1917	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**0.78**		**0.50**	**0.27**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		91	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-006**
Description: **8PW-8 EFFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1040**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1941	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-006**
Description: **8PW-8 EFFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1040**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 1941	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-007**
Description: **8PW-5 INFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1120**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 2004	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	**56-23-5**	**8260B**	**0.86**		**0.50**	**0.21**	**ug/L**	**1**
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-007**
Description: **8PW-5 INFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1120**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/12/2016 2004	RAG		96332

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	**79-01-6**	**8260B**	**2.1**		**0.50**	**0.27**	**ug/L**	**1**
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		90	70-130
Bromofluorobenzene		104	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
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Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-008**
Description: **8PW-5 EFFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1125**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1326	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-008**
Description: **8PW-5 EFFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1125**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1326	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		100	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-009**
Description: **8PW-4 INFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1145**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1348	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-009**
Description: **8PW-4 INFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1145**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1348	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.** Laboratory ID: **RB11013-010**

Description: **8PW-4 EFFLUENT** Matrix: **Aqueous**

Date Sampled: **02/10/2016 1140**

Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1412	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time

ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-010**
Description: **8PW-4 EFFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1140**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1412	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-011**
Description: **8PW-5A**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1150**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1435	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	**78-87-5**	**8260B**	**0.70**		**0.50**	**0.24**	**ug/L**	**1**
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-011**
Description: **8PW-5A**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1150**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1435	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		102	70-130
Bromofluorobenzene		103	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.** Laboratory ID: **RB11013-012**

Description: **8PW-5B** Matrix: **Aqueous**

Date Sampled: **02/10/2016 1220**

Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1458	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	**78-87-5**	**8260B**	**0.29**	**J**	**0.50**	**0.24**	**ug/L**	**1**
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time

ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-012**
Description: **8PW-5B**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1220**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1458	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		99	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-013**
Description: **8PW-7**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1225**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1522	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-013**
Description: **8PW-7**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1225**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1522	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		100	70-130
Bromofluorobenzene		102	70-130
Toluene-d8		103	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-014**
Description: **8PW-3 INFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1255**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1545	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	75-25-2	8260B	ND		0.50	0.31	ug/L	1
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-014**
Description: **8PW-3 INFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1255**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1545	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		103	70-130
Bromofluorobenzene		99	70-130
Toluene-d8		100	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.** Laboratory ID: **RB11013-015**

Description: **8PW-3 EFFLUENT** Matrix: **Aqueous**

Date Sampled: **02/10/2016 1250**

Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1608	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	67-64-1	8260B	ND		10	1.7	ug/L	1
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	**75-25-2**	**8260B**	**1.1**		**0.50**	**0.31**	**ug/L**	**1**
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	**108-10-1**	**8260B**	**0.46**	**J**	**10**	**0.38**	**ug/L**	**1**
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time

ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-015**
Description: **8PW-3 EFFLUENT**
Matrix: **Aqueous**
Date Sampled: **02/10/2016 1250**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1608	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		101	70-130
Bromofluorobenzene		101	70-130
Toluene-d8		101	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.** Laboratory ID: **RB11013-016**

Description: **TRIP BLANK** Matrix: **Aqueous**

Date Sampled: **02/10/2016**

Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1240	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Acetone	**67-64-1**	**8260B**	**2.1**	**J**	**10**	**1.7**	**ug/L**	**1**
Benzene	71-43-2	8260B	ND		0.50	0.20	ug/L	1
Bromodichloromethane	75-27-4	8260B	ND		0.50	0.24	ug/L	1
Bromoform	**75-25-2**	**8260B**	**0.40**	**J**	**0.50**	**0.31**	**ug/L**	**1**
Bromomethane (Methyl bromide)	74-83-9	8260B	ND		0.50	0.27	ug/L	1
2-Butanone (MEK)	78-93-3	8260B	ND		10	1.6	ug/L	1
Carbon disulfide	75-15-0	8260B	ND		0.50	0.17	ug/L	1
Carbon tetrachloride	56-23-5	8260B	ND		0.50	0.21	ug/L	1
Chlorobenzene	108-90-7	8260B	ND		0.50	0.16	ug/L	1
Chloroethane	75-00-3	8260B	ND		0.50	0.34	ug/L	1
Chloroform	67-66-3	8260B	ND		0.50	0.20	ug/L	1
Chloromethane (Methyl chloride)	74-87-3	8260B	ND		0.50	0.35	ug/L	1
Cyclohexane	110-82-7	8260B	ND		0.50	0.24	ug/L	1
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	8260B	ND		0.50	0.36	ug/L	1
Dibromochloromethane	124-48-1	8260B	ND		0.50	0.18	ug/L	1
1,2-Dibromoethane (EDB)	106-93-4	8260B	ND		0.50	0.23	ug/L	1
1,3-Dichlorobenzene	541-73-1	8260B	ND		0.50	0.23	ug/L	1
1,2-Dichlorobenzene	95-50-1	8260B	ND		0.50	0.19	ug/L	1
1,4-Dichlorobenzene	106-46-7	8260B	ND		0.50	0.18	ug/L	1
Dichlorodifluoromethane	75-71-8	8260B	ND		0.50	0.26	ug/L	1
1,1-Dichloroethane	75-34-3	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloroethane	107-06-2	8260B	ND		0.50	0.13	ug/L	1
trans-1,2-Dichloroethene	156-60-5	8260B	ND		0.50	0.24	ug/L	1
1,1-Dichloroethene	75-35-4	8260B	ND		0.50	0.18	ug/L	1
cis-1,2-Dichloroethene	156-59-2	8260B	ND		0.50	0.21	ug/L	1
1,2-Dichloropropane	78-87-5	8260B	ND		0.50	0.24	ug/L	1
trans-1,3-Dichloropropene	10061-02-6	8260B	ND		0.50	0.19	ug/L	1
cis-1,3-Dichloropropene	10061-01-5	8260B	ND		0.50	0.21	ug/L	1
Ethylbenzene	100-41-4	8260B	ND		0.50	0.19	ug/L	1
2-Hexanone	591-78-6	8260B	ND		10	0.40	ug/L	1
Isopropylbenzene	98-82-8	8260B	ND		0.50	0.13	ug/L	1
Methyl acetate	79-20-9	8260B	ND		1.0	0.24	ug/L	1
Methyl tertiary butyl ether (MTBE)	1634-04-4	8260B	ND		0.50	0.18	ug/L	1
4-Methyl-2-pentanone	108-10-1	8260B	ND		10	0.38	ug/L	1
Methylcyclohexane	108-87-2	8260B	ND		5.0	0.14	ug/L	1
Methylene chloride	75-09-2	8260B	ND		0.50	0.20	ug/L	1
Styrene	100-42-5	8260B	ND		0.50	0.18	ug/L	1
1,1,2,2-Tetrachloroethane	79-34-5	8260B	ND		0.50	0.23	ug/L	1
Tetrachloroethene	127-18-4	8260B	ND		0.50	0.24	ug/L	1
Toluene	108-88-3	8260B	ND		0.50	0.23	ug/L	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	8260B	ND		0.50	0.23	ug/L	1
1,2,4-Trichlorobenzene	120-82-1	8260B	ND		0.50	0.15	ug/L	1
1,1,1-Trichloroethane	71-55-6	8260B	ND		0.50	0.37	ug/L	1
1,1,2-Trichloroethane	79-00-5	8260B	ND		0.50	0.27	ug/L	1

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time

ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Volatile Organic Compounds by GC/MS

Client: **Terracon Consultants, Inc.**
Laboratory ID: **RB11013-016**
Description: **TRIP BLANK**
Matrix: **Aqueous**
Date Sampled: **02/10/2016**
Date Received: **02/11/2016**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/13/2016 1240	RAG		96383

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Trichloroethene	79-01-6	8260B	ND		0.50	0.27	ug/L	1
Trichlorofluoromethane	75-69-4	8260B	ND		0.50	0.20	ug/L	1
Vinyl chloride	75-01-4	8260B	ND		0.50	0.21	ug/L	1
Xylenes (total)	1330-20-7	8260B	ND		0.50	0.32	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		88	70-130
Bromofluorobenzene		107	70-130
Toluene-d8		94	70-130

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
H = Out of holding time
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

QC Summary

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ96332-001
Batch: 96332
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	1.7	ug/L	02/12/2016 1206
Benzene	ND		1	0.50	0.20	ug/L	02/12/2016 1206
Bromodichloromethane	ND		1	0.50	0.24	ug/L	02/12/2016 1206
Bromoform	ND		1	0.50	0.31	ug/L	02/12/2016 1206
Bromomethane (Methyl bromide)	ND		1	0.50	0.27	ug/L	02/12/2016 1206
2-Butanone (MEK)	ND		1	10	1.6	ug/L	02/12/2016 1206
Carbon disulfide	ND		1	0.50	0.17	ug/L	02/12/2016 1206
Carbon tetrachloride	ND		1	0.50	0.21	ug/L	02/12/2016 1206
Chlorobenzene	ND		1	0.50	0.16	ug/L	02/12/2016 1206
Chloroethane	ND		1	0.50	0.34	ug/L	02/12/2016 1206
Chloroform	ND		1	0.50	0.20	ug/L	02/12/2016 1206
Chloromethane (Methyl chloride)	ND		1	0.50	0.35	ug/L	02/12/2016 1206
Cyclohexane	ND		1	0.50	0.24	ug/L	02/12/2016 1206
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.36	ug/L	02/12/2016 1206
Dibromochloromethane	ND		1	0.50	0.18	ug/L	02/12/2016 1206
1,2-Dibromoethane (EDB)	ND		1	0.50	0.23	ug/L	02/12/2016 1206
1,4-Dichlorobenzene	ND		1	0.50	0.18	ug/L	02/12/2016 1206
1,2-Dichlorobenzene	ND		1	0.50	0.19	ug/L	02/12/2016 1206
1,3-Dichlorobenzene	ND		1	0.50	0.23	ug/L	02/12/2016 1206
Dichlorodifluoromethane	ND		1	0.50	0.26	ug/L	02/12/2016 1206
1,2-Dichloroethane	ND		1	0.50	0.13	ug/L	02/12/2016 1206
1,1-Dichloroethane	ND		1	0.50	0.21	ug/L	02/12/2016 1206
cis-1,2-Dichloroethene	ND		1	0.50	0.21	ug/L	02/12/2016 1206
1,1-Dichloroethene	ND		1	0.50	0.18	ug/L	02/12/2016 1206
trans-1,2-Dichloroethene	ND		1	0.50	0.24	ug/L	02/12/2016 1206
1,2-Dichloropropane	ND		1	0.50	0.24	ug/L	02/12/2016 1206
cis-1,3-Dichloropropene	ND		1	0.50	0.21	ug/L	02/12/2016 1206
trans-1,3-Dichloropropene	ND		1	0.50	0.19	ug/L	02/12/2016 1206
Ethylbenzene	ND		1	0.50	0.19	ug/L	02/12/2016 1206
2-Hexanone	ND		1	10	0.40	ug/L	02/12/2016 1206
Isopropylbenzene	ND		1	0.50	0.13	ug/L	02/12/2016 1206
Methyl acetate	ND		1	1.0	0.24	ug/L	02/12/2016 1206
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.18	ug/L	02/12/2016 1206
4-Methyl-2-pentanone	ND		1	10	0.38	ug/L	02/12/2016 1206
Methylcyclohexane	ND		1	5.0	0.14	ug/L	02/12/2016 1206
Methylene chloride	ND		1	0.50	0.20	ug/L	02/12/2016 1206
Styrene	ND		1	0.50	0.18	ug/L	02/12/2016 1206
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.23	ug/L	02/12/2016 1206
Tetrachloroethene	ND		1	0.50	0.24	ug/L	02/12/2016 1206
Toluene	ND		1	0.50	0.23	ug/L	02/12/2016 1206
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.23	ug/L	02/12/2016 1206
1,2,4-Trichlorobenzene	ND		1	0.50	0.15	ug/L	02/12/2016 1206
1,1,2-Trichloroethane	ND		1	0.50	0.27	ug/L	02/12/2016 1206
1,1,1-Trichloroethane	ND		1	0.50	0.37	ug/L	02/12/2016 1206

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ96332-001
Batch: 96332
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.27	ug/L	02/12/2016 1206
Trichlorofluoromethane	ND		1	0.50	0.20	ug/L	02/12/2016 1206
Vinyl chloride	ND		1	0.50	0.21	ug/L	02/12/2016 1206
Xylenes (total)	ND		1	0.50	0.32	ug/L	02/12/2016 1206

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		103	70-130
1,2-Dichloroethane-d4		90	70-130
Toluene-d8		96	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ96332-002
Batch: 96332
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	98		1	98	60-140	02/12/2016 1106
Benzene	50	45		1	91	70-130	02/12/2016 1106
Bromodichloromethane	50	51		1	102	70-130	02/12/2016 1106
Bromoform	50	44		1	88	70-130	02/12/2016 1106
Bromomethane (Methyl bromide)	50	41		1	82	60-140	02/12/2016 1106
2-Butanone (MEK)	100	100		1	101	60-140	02/12/2016 1106
Carbon disulfide	50	48		1	97	60-140	02/12/2016 1106
Carbon tetrachloride	50	54		1	108	70-130	02/12/2016 1106
Chlorobenzene	50	49		1	98	70-130	02/12/2016 1106
Chloroethane	50	41		1	83	60-140	02/12/2016 1106
Chloroform	50	47		1	93	70-130	02/12/2016 1106
Chloromethane (Methyl chloride)	50	38		1	77	20-158	02/12/2016 1106
Cyclohexane	50	41		1	83	70-130	02/12/2016 1106
1,2-Dibromo-3-chloropropane (DBCP)	50	54		1	108	70-130	02/12/2016 1106
Dibromochloromethane	50	54		1	109	70-130	02/12/2016 1106
1,2-Dibromoethane (EDB)	50	52		1	104	70-130	02/12/2016 1106
1,4-Dichlorobenzene	50	51		1	102	70-130	02/12/2016 1106
1,2-Dichlorobenzene	50	50		1	100	70-130	02/12/2016 1106
1,3-Dichlorobenzene	50	51		1	103	70-130	02/12/2016 1106
Dichlorodifluoromethane	50	43		1	85	60-140	02/12/2016 1106
1,2-Dichloroethane	50	50		1	99	70-130	02/12/2016 1106
1,1-Dichloroethane	50	48		1	97	70-130	02/12/2016 1106
cis-1,2-Dichloroethene	50	48		1	95	70-130	02/12/2016 1106
1,1-Dichloroethene	50	49		1	99	70-130	02/12/2016 1106
trans-1,2-Dichloroethene	50	48		1	96	70-130	02/12/2016 1106
1,2-Dichloropropane	50	45		1	91	70-130	02/12/2016 1106
cis-1,3-Dichloropropene	50	51		1	102	70-130	02/12/2016 1106
trans-1,3-Dichloropropene	50	51		1	102	70-130	02/12/2016 1106
Ethylbenzene	50	50		1	100	70-130	02/12/2016 1106
2-Hexanone	100	94		1	94	60-140	02/12/2016 1106
Isopropylbenzene	50	52		1	104	70-130	02/12/2016 1106
Methyl acetate	50	45		1	91	60-140	02/12/2016 1106
Methyl tertiary butyl ether (MTBE)	50	46		1	93	70-130	02/12/2016 1106
4-Methyl-2-pentanone	100	98		1	98	60-140	02/12/2016 1106
Methylcyclohexane	50	54		1	109	70-130	02/12/2016 1106
Methylene chloride	50	48		1	96	70-130	02/12/2016 1106
Styrene	50	53		1	105	70-130	02/12/2016 1106
1,1,2,2-Tetrachloroethane	50	53		1	106	70-130	02/12/2016 1106
Tetrachloroethene	50	45		1	89	70-130	02/12/2016 1106
Toluene	50	48		1	95	70-130	02/12/2016 1106
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	53		1	106	70-130	02/12/2016 1106
1,2,4-Trichlorobenzene	50	56		1	112	70-130	02/12/2016 1106
1,1,2-Trichloroethane	50	48		1	95	70-130	02/12/2016 1106
1,1,1-Trichloroethane	50	51		1	102	70-130	02/12/2016 1106

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ96332-002
Batch: 96332
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	48		1	97	70-130	02/12/2016 1106
Trichlorofluoromethane	50	48		1	96	60-140	02/12/2016 1106
Vinyl chloride	50	41		1	81	60-140	02/12/2016 1106
Xylenes (total)	100	100		1	104	70-130	02/12/2016 1106

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		102	70-130
1,2-Dichloroethane-d4		91	70-130
Toluene-d8		95	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ96383-001
Batch: 96383
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Acetone	ND		1	10	1.7	ug/L	02/13/2016 1115
Benzene	ND		1	0.50	0.20	ug/L	02/13/2016 1115
Bromodichloromethane	ND		1	0.50	0.24	ug/L	02/13/2016 1115
Bromoform	ND		1	0.50	0.31	ug/L	02/13/2016 1115
Bromomethane (Methyl bromide)	ND		1	0.50	0.27	ug/L	02/13/2016 1115
2-Butanone (MEK)	ND		1	10	1.6	ug/L	02/13/2016 1115
Carbon disulfide	ND		1	0.50	0.17	ug/L	02/13/2016 1115
Carbon tetrachloride	ND		1	0.50	0.21	ug/L	02/13/2016 1115
Chlorobenzene	ND		1	0.50	0.16	ug/L	02/13/2016 1115
Chloroethane	ND		1	0.50	0.34	ug/L	02/13/2016 1115
Chloroform	ND		1	0.50	0.20	ug/L	02/13/2016 1115
Chloromethane (Methyl chloride)	ND		1	0.50	0.35	ug/L	02/13/2016 1115
Cyclohexane	ND		1	0.50	0.24	ug/L	02/13/2016 1115
1,2-Dibromo-3-chloropropane (DBCP)	ND		1	0.50	0.36	ug/L	02/13/2016 1115
Dibromochloromethane	ND		1	0.50	0.18	ug/L	02/13/2016 1115
1,2-Dibromoethane (EDB)	ND		1	0.50	0.23	ug/L	02/13/2016 1115
1,4-Dichlorobenzene	ND		1	0.50	0.18	ug/L	02/13/2016 1115
1,3-Dichlorobenzene	ND		1	0.50	0.23	ug/L	02/13/2016 1115
1,2-Dichlorobenzene	ND		1	0.50	0.19	ug/L	02/13/2016 1115
Dichlorodifluoromethane	ND		1	0.50	0.26	ug/L	02/13/2016 1115
1,2-Dichloroethane	ND		1	0.50	0.13	ug/L	02/13/2016 1115
1,1-Dichloroethane	ND		1	0.50	0.21	ug/L	02/13/2016 1115
trans-1,2-Dichloroethene	ND		1	0.50	0.24	ug/L	02/13/2016 1115
cis-1,2-Dichloroethene	ND		1	0.50	0.21	ug/L	02/13/2016 1115
1,1-Dichloroethene	ND		1	0.50	0.18	ug/L	02/13/2016 1115
1,2-Dichloropropane	ND		1	0.50	0.24	ug/L	02/13/2016 1115
trans-1,3-Dichloropropene	ND		1	0.50	0.19	ug/L	02/13/2016 1115
cis-1,3-Dichloropropene	ND		1	0.50	0.21	ug/L	02/13/2016 1115
Ethylbenzene	ND		1	0.50	0.19	ug/L	02/13/2016 1115
2-Hexanone	ND		1	10	0.40	ug/L	02/13/2016 1115
Isopropylbenzene	ND		1	0.50	0.13	ug/L	02/13/2016 1115
Methyl acetate	ND		1	1.0	0.24	ug/L	02/13/2016 1115
Methyl tertiary butyl ether (MTBE)	ND		1	0.50	0.18	ug/L	02/13/2016 1115
4-Methyl-2-pentanone	ND		1	10	0.38	ug/L	02/13/2016 1115
Methylcyclohexane	ND		1	5.0	0.14	ug/L	02/13/2016 1115
Methylene chloride	ND		1	0.50	0.20	ug/L	02/13/2016 1115
Styrene	ND		1	0.50	0.18	ug/L	02/13/2016 1115
1,1,2,2-Tetrachloroethane	ND		1	0.50	0.23	ug/L	02/13/2016 1115
Tetrachloroethene	ND		1	0.50	0.24	ug/L	02/13/2016 1115
Toluene	ND		1	0.50	0.23	ug/L	02/13/2016 1115
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		1	0.50	0.23	ug/L	02/13/2016 1115
1,2,4-Trichlorobenzene	ND		1	0.50	0.15	ug/L	02/13/2016 1115
1,1,1-Trichloroethane	ND		1	0.50	0.37	ug/L	02/13/2016 1115
1,1,2-Trichloroethane	ND		1	0.50	0.27	ug/L	02/13/2016 1115

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - MB

Sample ID: RQ96383-001
Batch: 96383
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Result	Q	Dil	PQL	MDL	Units	Analysis Date
Trichloroethene	ND		1	0.50	0.27	ug/L	02/13/2016 1115
Trichlorofluoromethane	ND		1	0.50	0.20	ug/L	02/13/2016 1115
Vinyl chloride	ND		1	0.50	0.21	ug/L	02/13/2016 1115
Xylenes (total)	ND		1	0.50	0.32	ug/L	02/13/2016 1115

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		87	70-130
Toluene-d8		93	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ96383-002
Batch: 96383
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Acetone	100	110		1	108	60-140	02/13/2016 1016
Benzene	50	45		1	91	70-130	02/13/2016 1016
Bromodichloromethane	50	49		1	99	70-130	02/13/2016 1016
Bromoform	50	43		1	87	70-130	02/13/2016 1016
Bromomethane (Methyl bromide)	50	41		1	81	60-140	02/13/2016 1016
2-Butanone (MEK)	100	100		1	104	60-140	02/13/2016 1016
Carbon disulfide	50	47		1	94	60-140	02/13/2016 1016
Carbon tetrachloride	50	53		1	106	70-130	02/13/2016 1016
Chlorobenzene	50	49		1	98	70-130	02/13/2016 1016
Chloroethane	50	42		1	85	60-140	02/13/2016 1016
Chloroform	50	46		1	92	70-130	02/13/2016 1016
Chloromethane (Methyl chloride)	50	39		1	78	20-158	02/13/2016 1016
Cyclohexane	50	43		1	85	70-130	02/13/2016 1016
1,2-Dibromo-3-chloropropane (DBCP)	50	53		1	106	70-130	02/13/2016 1016
Dibromochloromethane	50	54		1	108	70-130	02/13/2016 1016
1,2-Dibromoethane (EDB)	50	53		1	105	70-130	02/13/2016 1016
1,4-Dichlorobenzene	50	49		1	98	70-130	02/13/2016 1016
1,3-Dichlorobenzene	50	51		1	101	70-130	02/13/2016 1016
1,2-Dichlorobenzene	50	49		1	98	70-130	02/13/2016 1016
Dichlorodifluoromethane	50	45		1	90	60-140	02/13/2016 1016
1,2-Dichloroethane	50	49		1	98	70-130	02/13/2016 1016
1,1-Dichloroethane	50	48		1	95	70-130	02/13/2016 1016
trans-1,2-Dichloroethene	50	48		1	95	70-130	02/13/2016 1016
cis-1,2-Dichloroethene	50	48		1	95	70-130	02/13/2016 1016
1,1-Dichloroethene	50	49		1	98	70-130	02/13/2016 1016
1,2-Dichloropropane	50	45		1	90	70-130	02/13/2016 1016
trans-1,3-Dichloropropene	50	51		1	102	70-130	02/13/2016 1016
cis-1,3-Dichloropropene	50	51		1	101	70-130	02/13/2016 1016
Ethylbenzene	50	51		1	101	70-130	02/13/2016 1016
2-Hexanone	100	97		1	97	60-140	02/13/2016 1016
Isopropylbenzene	50	53		1	107	70-130	02/13/2016 1016
Methyl acetate	50	47		1	94	60-140	02/13/2016 1016
Methyl tertiary butyl ether (MTBE)	50	46		1	91	70-130	02/13/2016 1016
4-Methyl-2-pentanone	100	97		1	97	60-140	02/13/2016 1016
Methylcyclohexane	50	53		1	106	70-130	02/13/2016 1016
Methylene chloride	50	47		1	94	70-130	02/13/2016 1016
Styrene	50	53		1	106	70-130	02/13/2016 1016
1,1,2,2-Tetrachloroethane	50	52		1	103	70-130	02/13/2016 1016
Tetrachloroethene	50	45		1	91	70-130	02/13/2016 1016
Toluene	50	49		1	98	70-130	02/13/2016 1016
1,1,2-Trichloro-1,2,2-Trifluoroethane	50	51		1	102	70-130	02/13/2016 1016
1,2,4-Trichlorobenzene	50	58		1	116	70-130	02/13/2016 1016
1,1,1-Trichloroethane	50	50		1	100	70-130	02/13/2016 1016
1,1,2-Trichloroethane	50	48		1	95	70-130	02/13/2016 1016

PQL = Practical quantitation limit
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
ND = Not detected at or above the MDL
J = Estimated result < PQL and ≥ MDL
+ = RPD is out of criteria
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Volatile Organic Compounds by GC/MS - LCS

Sample ID: RQ96383-002
Batch: 96383
Analytical Method: 8260B

Matrix: Aqueous
Prep Method: 5030B

Parameter	Spike Amount (ug/L)	Result (ug/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
Trichloroethene	50	47		1	94	70-130	02/13/2016 1016
Trichlorofluoromethane	50	50		1	99	60-140	02/13/2016 1016
Vinyl chloride	50	42		1	84	60-140	02/13/2016 1016
Xylenes (total)	100	110		1	107	70-130	02/13/2016 1016

Surrogate	Q	% Rec	Acceptance Limit
Bromofluorobenzene		105	70-130
1,2-Dichloroethane-d4		86	70-130
Toluene-d8		92	70-130

PQL = Practical quantitation limit
ND = Not detected at or above the MDL
P = The RPD between two GC columns exceeds 40%
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria
+ = RPD is out of criteria

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

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

Chain of Custody
and
Miscellaneous Documents

SHEALY ENVIRONMENTAL SERVICES, INC.

SHEALY **Chain of Custody Record**

SHEALY ENVIRONMENTAL SERVICES, INC.
106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 57925

Client	Terracon
Address	2401 Brentwood Rd, Suite 107
City	Raleigh
State	NC
Zip Code	27604
Project Name	Stokesdale Asphalt Site 3-8
Project No.	70147325
P.O. No.	
Report to Contact	Casey Portela
Sampler's Signature	x Casey Portela
Printed Name	Casey Portela
Telephone No. / E-mail	casey.portela@terracon.com
Quote No.	
Page	1 of 2
RB11013	

Analysis (Attach list if more space is needed): VOCs 8260

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab(G) Composite(C)	Matrix: Aqueous	Solid	Non-Aqueous	No of Containers by Preservative Type: Unpres.	MeOH	HNO3	HCl	NaOH	SAPS Kit	VOCs 8260	Remarks / Cooler I.D.
8PW-2	2/10/16	0920	G							3			✓	
8PW-9		0925								3			✓	
8PW-10		1000								3			✓	
8PW-1		10:30								3			✓	
8PW-8 influent		10:40								3			✓	
8PW-8 effluent		10:40								3			✓	
8PW-5 influent		11:20								3			✓	
8PW-5 effluent		11:25								3			✓	
8PW-4 Influent		11:45								3			✓	
8PW-4 effluent		11:40								3			✓	

Turn Around Time Required (Prior lab approval required for expedited TAT.): ☑ Standard ☐ Rush (Specify) 5 day TAT

Sample Disposal: ☐ Return to Client ☑ Disposal by Lab

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

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished by: Casey Portela	2/10/16	6:20p	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: FedEx	2/11/16	0950	4. Laboratory received by: [signature]	2/11/16	0950

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack Receipt Temp. 1-5 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

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106 Vantage Point Drive • West Columbia, SC 29172
Telephone No. 803-791-9700 Fax No. 803-791-9111
www.shealylab.com

Number 50630

Client: Terracon	Report to Contact: Casey Portela	Telephone No. / E-mail: casey.portela@terracon.com	Quote No.
Address: 2401 Brentwood Rd, Suite 107	Sampler's Signature: x Casey Port	Analysis (Attach list if more space is needed)	Page 2 of 2
City: Raleigh; State: NC; Zip Code: 27604	Printed Name: Casey Portela		RB11013
Project Name: Stokesdale Asphalt Site No. 3-8			
Project No.: 70147325	P.O. No.		

Sample ID / Description (Containers for each sample may be combined on one line.)	Date	Time	Grab G / Composite C	Matrix: Aqueous	Solid	Non-aqueous	Unpres.	H_2SO_4	HNO_3	HCl	NaOH	8030 Kit	VOCs 8260	Remarks / Cooler I.D.
8PW-5A	2/10/16	11:50	G							3			✓	
8PW-5B	↓	12:20	↓							3			✓	
8PW-7		12:25								3			✓	
8PW-3 influent		12:55								3			✓	
8PW-3 effluent	↓	12:50	↓							3			✓	
Trip Blank	—	—	—							2			✓	

Turn Around Time Required (Prior lab approval required for expedited TAT.) ☑ Standard ☐ Rush (Specify)

Sample Disposal ☐ Return to Client ☑ Disposal by Lab

Possible Hazard Identification ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison ☐ Unknown

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished by: Casey Port	2/10/16	6:20p	1. Received by		
2. Relinquished by			2. Received by		
3. Relinquished by			3. Received by		
4. Relinquished by: FedEX	2/11/16	0950	4. Laboratory received by: [signature]	2/11/16	0950

Note: All samples are retained for four weeks from receipt unless other arrangements are made.

LAB USE ONLY
Received on ice (Circle) (Yes) No Ice Pack Receipt Temp. 1.5 °C

DISTRIBUTION: WHITE & YELLOW-Return to laboratory with Sample(s); PINK-Field/Client Copy

Document Number: F-AD-133 Effective Date: 08-01-2014

SHEALY ENVIRONMENTAL SERVICES, INC.

Shealy Environmental Services, Inc.
Document Number: ME0018C-04

Page 1 of 1
Effective Date: 02/05/2016
Expiry Date: 02/05/2021

Sample Receipt Checklist (SRC)

Client: Terracon Cooler Inspected by/date: mcm/02/11/16 Lot #: R161103

Means of receipt: ☐ SESI ☐ Client ☐ UPS ☑ FedEx ☐ Other

Yes ☐	No ☑		1. Were custody seals present on the cooler?
Yes ☐	No ☐	NA ☑	2. If custody seals were present, were they intact and unbroken?

pH strip ID: _____ Cl strip ID: _____
Cooler ID/Original temperature upon receipt/Derived (corrected) temperature upon receipt:
889/1.5/1.5 °C ___/___/___ °C ___/___/___ °C ___/___/___ °C
Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 6 IR Gun Correction Factor: 0.0°C
Method of coolant: ☑ Wet Ice ☐ Blue Ice ☐ Dry Ice ☐ None

Yes ☐	No ☐	NA ☑	3. If temperature of any cooler exceeded 6.0°C, was Project Manager notified? PM was notified by: phone / email / face-to-face (circle one).
Yes ☑	No ☐	NA ☐	4. Is the commercial courier's packing slip attached to this form?
Yes ☑	No ☐		5. Were proper custody procedures (relinquished/received) followed?
Yes ☑	No ☐		6. Were sample IDs listed on the COC?
Yes ☑	No ☐		7. Were sample IDs listed on all sample containers?
Yes ☑	No ☐		8. Was collection date & time listed on the COC?
Yes ☑	No ☐		9. Was collection date & time listed on all sample containers?
Yes ☑	No ☐		10. Did all container label information (ID, date, time) agree with the COC?
Yes ☑	No ☐		11. Were tests to be performed listed on the COC?
mcm 2/11/16 Yes ☑	No ☑		12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)? One vial from the trip blank was broken upon receipt.
Yes ☑	No ☐		13. Was adequate sample volume available?
Yes ☑	No ☐		14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
Yes ☐	No ☑		15. Were any samples containers missing/excess (circle one) samples not listed on COC?
Yes ☐	No ☑	NA ☐	16. Were bubbles present >"pea-size" (¼" or 6mm in diameter) in any VOA vials?
Yes ☐	No ☑	NA ☐	17. Were all metals/O&G/HEM/nutrient samples received at a pH of <2?
Yes ☐	No ☐	NA ☑	18. Were all cyanide and/or sulfide samples received at a pH >12?
Yes ☐	No ☐	NA ☑	19. Were all applicable NH3/TKN/cyanide/phenol (<0.2mg/L) samples free of residual chlorine?
Yes ☐	No ☐	NA ☑	20. Were collection temperatures documented on the COC for NC samples?
Yes ☑	No ☐	NA ☐	21. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc…) correctly transcribed from the COC into the comment section in LIMS?
Yes ☐	No ☑		22. Was the quote number used taken from the container label?

Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)

Sample(s) _____ were received incorrectly preserved and were adjusted accordingly in sample receiving with _____ (H_2SO_4, HNO3, HCl, NaOH) using SR # _____.

Sample(s) _____ were received with bubbles >6 mm in diameter.

Samples(s) _____ were received with TRC >0.2 mg/L (If #21 is No) and were adjusted accordingly in sample receiving with sodium thiosulfate ($Na_2S_2O_3$) with Shealy ID: _____.

SC Drinking Water Project Sample(s) pH verified to be ≥12 by _____ Date: _____
Sample(s) _____ were not received at a pH of <2 and were adjusted accordingly using SR# _____

Sample labels applied by: mcm Verified by: _____ Date: 2/11/16

Comments: _____