UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Final Analytical Report

Site Name.....	West Virginia Chemical Leak
Sample Collection Date(s).....	01/28/14 21:15- 02/08/14 10:55
Contact.....	Dennis Matlock
Report Date.....	02/28/14 14:47
Project #.....	DAS R34317
Work Order.....	1401014

Analyses included in this report:

HPLC Identification Scan
VOCs by CLP Equivalent
SVOCs by SW846 8270D
VOCs by CLP Equivalent (trace)

Approved for Release

C. Capozale

1401014 FINAL DAS R34317 02 28 14 1448

OASQA Representative

Freedom_0006130_0001

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

Report Narrative

VOA Analysis Note:
Ethyl ether was detected in the field blanks as a tentatively identified compound (TIC). Please ensure that the source water used to prepare field blanks is free of volatile organics.

The following samples were initially analyzed within the seven day holding time for un-acidified samples using the trace level method. However, results are reported from subsequent analyses by the low-mid method. These re-runs and dilutions were analyzed past the recommended holding time. Quantified results are qualified as estimated (J). Non-detects have not been qualified as estimated (UJ) because they were confirmed against the initial analyses.

1401014-12, Sta. MW-5, final analysis at 12 days
1401014-13, Sta. MW-6, final analysis at 12 days
1401014-14, Sta. MW-3, final analysis at 10 days
1401014-15, Sta. MW-4, final analysis at 10 days

In addition, sample 1401014-10, Sta. TB03, was analyzed nine days after collection, two days past the seven day technical holding time for un-acidified samples.

The acetone, chloroform and methylene chloride results for sample 1401014-16, Sta. FB02, are qualified as estimated (J) because the associated surrogate compound recovery was outside limits (115%).

The matrix spike and matrix spike duplicate were prepared with a 10 X dilution of sample 1401014-12, Sta. MW-5, in order to bring responses within the calibration range.

HPLC ID Scan Notes:
Samples for WO 1401014 were evaluated qualitatively, as an On Demand Analysis by HPLC Identification Scan with a photodiode array detector (PDA). No quantitation was performed. OASQA On Demand procedures were followed where applicable. Analysis was based on SW-846 Methods 8321B and 8000C.
Samples were analyzed concurrently with WO 1401010 and results were compared with the reference materials in the work order. .
Samples were extracted or diluted, and injected directly onto the HPLC system. Final analysis was on a Phenomenex Ultracarb ODS20 column (part# 00G-0206-R0, s/n 411297-2) with a linear methanol/water gradient. The PDA detector scanned from 210-300nm with a slitwidth of 2.4nm.
Sample 1401014-06 had the chromatographic fingerprint and spectra that were consistent with the Crude PPH sample from WO 1401010.
Sample 1401014-13 has 3 peaks with spectra similar to PPH but with slightly different retention times.
Sample 1401014-15 contained 5 peaks, 3 of which were spectrally similar to PPH but with slightly different retention times, and 2 that indicated unrelated aromatic compounds.
The method blank indicated no interferences. The 1,2-dinitrobenzene surrogate was detected in all samples at an appropriate retention time, indicating no major effects of the samples on chromatography.

SVOAs Analysis Note:
Samples were extracted first under a neutral pH of 7 for 18-24 hours and then made acidic (pH < 2) and extracted for another 18-24 hours.

Analysis for PPH and MCHM was performed on-demand.

Samples 1401014-12, -13, -14, -15, and -16 were extracted outside of technical hold time of 7 days and are qualifed as estimated (UJ) for nondetects and estimated (J) for detects.

Results for 2,4-dinitrophenol, benzaldehyde, 4-nitroaniline, atrazine and carbazole are qualified as estimated (UJ) in all samples due to exceeding limits in the initial calibration.

Results for 4-chloroaniline are qualified as estimated (UJ) in all samples due to exceeding limits in all CCVs.

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
CU	1401014-01	Surface Water	1/29/14 14:00	1/30/14 11:45
CD	1401014-02	Surface Water	1/29/14 14:55	1/30/14 11:45
CD1	1401014-03	Surface Water	1/29/14 15:05	1/30/14 11:45
FB01	1401014-04	Water	1/29/14 14:30	1/30/14 11:45
TB01	1401014-05	Surface Water	1/28/14 21:15	1/30/14 11:45
Pipe-1	1401014-06	Water	1/31/14 12:45	2/04/14 11:45
Seep-1	1401014-07	Groundwater	2/01/14 11:45	2/04/14 11:45
TB02	1401014-08	Water	1/31/14 18:45	2/04/14 11:45
MW-2	1401014-09	Groundwater	2/06/14 18:16	2/07/14 12:15
TB03	1401014-10	Water	2/03/14 20:15	2/07/14 12:15
TB04	1401014-11	Water	2/06/14 22:10	2/11/14 11:45
MW-5	1401014-12	Groundwater	2/07/14 12:16	2/11/14 11:45
MW-6	1401014-13	Groundwater	2/07/14 15:00	2/11/14 11:45
MW-3	1401014-14	Groundwater	2/08/14 10:55	2/11/14 11:45
MW-4	1401014-15	Groundwater	2/08/14 09:10	2/11/14 11:45
FB02	1401014-16	Water	2/08/14 10:18	2/11/14 11:45

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

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USEPA CLP Generic COC (LAB COPY)
DateShipped: 1/29/2014
CarrierName: FedEx
AirbillNo: 7977 6428 0770

CHAIN OF CUSTODY RECORD
Project Code: CT6665
DAS #: R34317

No: 3-012914-144215-0001
Lab: OASQA
Lab Contact: John Curry
Lab Phone: 410-305-3032

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
CU	R34317-01	Surface Water/ Ex. 6 - Personal Privacy	Grab	TVOA+TIC(14), MCHM/PPH(14)	1000 (4 C), 1001 (4 C), 1002 (4 C), 1003 (4 C), 1004 (4 C) (5)	CU	01/29/2014 14:00	WO 1401014-01
CD	R34317-02	Surface Water/ Ex. 6 - Personal Privacy	Grab	TVOA+TIC(14), MCHM/PPH(14)	1005 (4 C), 1006 (4 C), 1007 (4 C), 1008 (4 C), 1009 (4 C) (5)	CD	01/29/2014 14:55	-02
CD1	R34317-03	Surface Water/ Ex. 6 - Personal Privacy	Grab	TVOA+TIC(14), MCHM/PPH(14)	1010 (4 C), 1011 (4 C), 1012 (4 C), 1013 (4 C), 1014 (4 C) (5)	CD1	01/29/2014 15:05	-03
FB01	R34317-04	Water/ Ex. 6 - Personal Privacy	Grab	TVOA+TIC(14), MCHM/PPH(14)	1015 (4 C), 1016 (4 C), 1017 (4 C), 1018 (4 C), 1019 (4 C) (5)	FB01	01/29/2014 14:30	-04
TB01	R34317-05	Surface Water/ Ex. 6 - Personal Privacy	Grab	TVOA+TIC(14)	1020 (4 C), 1021 (4 C), 1022 (4 C) (3)	TB01	01/28/2014 21:15	-05

Special Instructions: Ben Nee

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TVOA+TIC=TCL Trace Volatiles + TIC, MCHM/PPH=4-methylcyclohexane methanol/PPH constituents

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	Ex. 6 - Personal Privacy / Tom Lee	1-29-14/1830	John D Curry / EPA R III	1/30/14 1145	Temp Blank 3°C 1/30/14

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

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USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/3/2014
CarrierName: FedEx
AirbillNo: 7977 9894 8823

CHAIN OF CUSTODY RECORD

Project Code: CT6665
DAS #: R34317

No: 3-020314-133918-0002
Lab: OASQA
Lab Contact: John Curry
Lab Phone: 410-305-3032

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
Pipe-1	R34317-06	Water/ Nance	Grab	TVOA+TIC(14), MCHM/PPH(14)	1023 (4 C), 1024 (4 C), 1025 (4 C), 1026 (4 C), 1027 (4 C), 1028 (4 C), 1029 (4 C), 1030 (4 C), 1031 (4 C), 1032 (4 C) (10)	Pipe-1	01/31/2014 12:45	1401014-06
Seep-1	R34317-07	Ground Water/ Gene Nance	Grab	TVOA+TIC(14), MCHM/PPH(14)	1033 (4 C), 1034 (4 C), 1035 (4 C), 1036 (4 C), 1037 (4 C) (5)	Seep-1	02/01/2014 11:45	-07
TB02	R34317-08	Water/ Gene Nance	Grab	TVOA+TIC(14)	1038 (4 C), 1039 (4 C), 1040 (4 C) (3)	TB02	01/31/2014 18:45	-08

Sample(s) to be used for Lab QC: Pipe-1 Tag 1023, Pipe-1 Tag 1024, Pipe-1 Tag 1025, Pipe-1 Tag 1026, Pipe-1 Tag 1027, Pipe-1 Tag 1028, Pipe-1 Tag 1029, Pipe-1 Tag 1030, Pipe-1 Tag 1031, Pipe-1 Tag 1032

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TVOA+TIC=TCL Trace Volatiles + TIC, MCHM/PPH=4-methylcyclohexane methanol/PPH constituents

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[illegible]	2-3-14/ 1600	John D Curry	2/4/14 1145	Temp Blk = 3°C JC
					Pipe1-1 Broken Amber Bottle JC

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

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USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/6/2014
CarrierName: FedEx
AirbillNo: 8026 6102 7709

CHAIN OF CUSTODY RECORD

Project Code: CT6665
DAS #: R34317

No: 3-020614-163813-0003
Lab: OASQA
Lab Contact: John Curry
Lab Phone: 410-305-3032

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MW-2	R34317-09	Ground Water/ Gene Nance	Grab	TVOA+TIC(14), MCHM/PPH(14)	1041 (4 C), 1042 (4 C), 1043 (4 C), 1044 (4 C), 1045 (4 C) (5)	MW-2	02/06/2014 18:16	1401014-09
TB03	R34317-10	Water/ Gene Nance	Grab	TVOA+TIC(14)	1046 (4 C), 1047 (4 C), 1048 (4 C) (3)	TB03	02/03/2014 20:15	1401014-10

Special Instructions:

Shipment for Case Complete? N
Samples Transferred From Chain of Custody #

Analysis Key: TVOA+TIC=TCL Trace Volatiles + TIC, MCHM/PPH=4-methylcyclohexane methanol/PPH constituents

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	/	2/6/14 1995		2/7/14 1215	Temp Blk 3°C

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/10/2014
CarrierName: FedEx
AirbillNo: 8032 8714 0634

CHAIN OF CUSTODY RECORD

Project Code: CT6665
DAS #: R34317

No: 3-021014-134639-0006
Lab: OASQA
Lab Contact: John Curry
Lab Phone: 410-305-3032

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
TB04	R34317-11	Water/ Gene Nance	Grab	TVOA+TIC(14)	1051 (4 C), 1052 (4 C) (2)	TB04	02/06/2014 22:10	1401014-11
TB04	R34317-11	Water/ Gene Nance	Grab	TVOA+TIC(14)	1050 (4 C) (1)	TB04	02/06/2014 22:10	-11
MW-5	R34317-12	Ground Water/ Gene Nance	Grab	TVOA+TIC(14)	1054 (4 C), 1055 (4 C), 1056 (4 C), 1074 (4 C), 1075 (4 C), 1076 (4 C) (6)	MW-5	02/07/2014 12:16	-12
MW-6	R34317-13	Ground Water/ Gene Nance	Grab	TVOA+TIC(14)	1059 (4 C), 1060 (4 C), 1061 (4 C) (3)	MW-6	02/07/2014 15:00	-13
MW-3	R34317-14	Ground Water/ Gene Nance	Grab	TVOA+TIC(14), MCHM/PPH(14)	1064 (4 C), 1065 (4 C), 1066 (4 C), 1067 (4 C), 1068 (4 C) (5)	MW-3	02/08/2014 10:55	-14
MW-4	R34317-15	Ground Water/ Gene Nance	Grab	TVOA+TIC(14), MCHM/PPH(14)	1069 (4 C), 1070 (4 C), 1071 (4 C), 1072 (4 C), 1073 (4 C) (5)	MW-4	02/08/2014 09:10	-15
FB02	R34317-16	Water/ Gene Nance	Grab	TVOA+TIC(14)	1079 (4 C), 1080 (4 C), 1081 (4 C) (3)	FB02	02/08/2014 10:18	-16

Sample(s) to be used for Lab QC: MW-5 Tag 1054, MW-5 Tag 1055, MW-5 Tag 1056, MW-5 Tag 1074, MW-5 Tag 1075, MW-5 Tag 1076

Shipment for Case Complete? Y
Samples Transferred From Chain of Custody #

Analysis Key: TVOA+TIC=TCL Trace Volatiles + TIC, MCHM/PPH=4-methylcyclohexane methanol/PPH constituents

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[illegible] / [illegible]	2/10/14 1600	John D Curry	2/11/14 1145	Temp Blk 4°C

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

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USEPA CLP Generic COC (LAB COPY)
DateShipped: 2/10/2014
CarrierName: FedEx
AirbillNo: 8032 8714 0634

CHAIN OF CUSTODY RECORD

Project Code: CT6665
DAS #: R34317

No: 3-021014-130543-0005
Lab: OASQA
Lab Contact: John Curry
Lab Phone: 410-305-3032

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
MW-5	R34317-12	Ground Water/ Gene Nance	Grab	MCHM/PPH(14)	1057 (4 C), 1058 (4 C), 1077 (4 C), 1078 (4 C) (4)	MW-5	02/07/2014 12:16	1401014-12
MW-6	R34317-13	Ground Water/ Gene Nance	Grab	MCHM/PPH(14)	1062 (4 C), 1063 (4 C) (2)	MW-6	02/07/2014 15:00	-13
FB02	R34317-16	Water/ Gene Nance	Grab	MCHM/PPH(14)	1082 (4 C), 1083 (4 C) (2)	FB02	02/08/2014 10:18	-16

Sample(s) to be used for Lab QC: MW-5 Tag 1057, MW-5 Tag 1058, MW-5 Tag 1077, MW-5 Tag 1078

Shipment for Case Complete? Y
Samples Transferred From Chain of Custody #

Analysis Key: MCHM/PPH=4-methylcyclohexane methanol/PPH constituents

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	[illegible] / Tech	2/11/14 1600	John D Curry	2/11/14 1145	Temp Blk 3°C

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CU
Lab ID: 1401014-01
Sample Matrix: Surface Water
Date Collected: 01/29/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 13:58	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	**61.7**		4.76	10	02/03/14	02/06/14 10:43	EPA 8270D/R3QA201
PPH	**0.491**		0.476	1	02/03/14	02/05/14 18:46	EPA 8270D/R3QA201
Acenaphthene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Acenaphthylene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Acetophenone	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Anthracene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Atrazine	U	UJ	4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Benzo(a)anthracene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Benzo(ghi)perylene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Benzo(a)pyrene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
1,1-Biphenyl	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	**1.64**	J	4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Butyl benzyl phthalate	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Carbazole	U	UJ	4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Caprolactam	U		9.52	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2-Chloronaphthalene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2-Chlorophenol	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Chrysene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Dibenzofuran	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Diethyl phthalate	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2,4-Dichlorophenol	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2,4-Dimethylphenol	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Dimethyl phthalate	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CU
Lab ID: 1401014-01
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U		9.52	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Di-n-octyl phthalate	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Fluoranthene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Fluorene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Hexachlorobenzene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Hexachlorobutadiene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Hexachloroethane	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Isophorone	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2-Methylnaphthalene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2-Methylphenol	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
4-Methylphenol	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Naphthalene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2-Nitroaniline	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
3-Nitroaniline	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Nitrobenzene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2-Nitrophenol	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
4-Nitrophenol	U		19.0	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Pentachlorophenol	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Phenanthrene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Phenol	U		9.52	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
Pyrene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U		9.52	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U		9.52	1	02/03/14	02/06/14 11:38	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	40.6		**85 %**	*21-110*	02/03/14	02/06/14 11:38	*EPA 8270D/R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CU
Lab ID: 1401014-01
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	42.3		**89 %**	*39-106*	02/03/14	02/06/14 11:38	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	19.1		**80 %**	*43-108*	02/03/14	02/06/14 11:38	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	20.1		**85 %**	*43-116*	02/03/14	02/06/14 11:38	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	41.8		**88 %**	*10-123*	02/03/14	02/06/14 11:38	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	22.0		**92 %**	*33-141*	02/03/14	02/06/14 11:38	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		5.0	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
2-Butanone	U		5.0	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		1.0	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CU
Lab ID: 1401014-01
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
2-Hexanone	U		5.0	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Toluene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/14	01/30/14 15:11	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CU
Lab ID: 1401014-01
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.750		**95 %**	*86-115*	01/30/14	01/30/14 15:11	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.390		**108 %**	*76-114*	01/30/14	01/30/14 15:11	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.420		**88 %**	*88-110*	01/30/14	01/30/14 15:11	*CLP trace/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD
Lab ID: 1401014-02
Sample Matrix: Surface Water
Date Collected: 01/29/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 14:39	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	**145**		4.76	10	02/03/14	02/06/14 11:34	EPA 8270D/R3QA201
PPH	**0.913**		0.476	1	02/03/14	02/05/14 19:36	EPA 8270D/R3QA201
Acenaphthene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Acenaphthylene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Acetophenone	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Anthracene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Atrazine	U	UJ	4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Benzo(a)anthracene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Benzo(ghi)perylene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Benzo(a)pyrene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
1,1-Biphenyl	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	**0.581**	J	4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Butyl benzyl phthalate	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Carbazole	U	UJ	4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Caprolactam	U		9.52	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2-Chloronaphthalene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2-Chlorophenol	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Chrysene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Dibenzofuran	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Diethyl phthalate	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2,4-Dichlorophenol	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2,4-Dimethylphenol	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Dimethyl phthalate	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD
Lab ID: 1401014-02
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U		9.52	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Di-n-octyl phthalate	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Fluoranthene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Fluorene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Hexachlorobenzene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Hexachlorobutadiene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Hexachloroethane	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Isophorone	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2-Methylnaphthalene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2-Methylphenol	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
4-Methylphenol	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Naphthalene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2-Nitroaniline	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
3-Nitroaniline	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Nitrobenzene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2-Nitrophenol	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
4-Nitrophenol	U		19.0	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Pentachlorophenol	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Phenanthrene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Phenol	U		9.52	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
Pyrene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U		9.52	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U		9.52	1	02/03/14	02/06/14 12:15	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	40.9		**86 %**	*21-110*	02/03/14	02/06/14 12:15	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD
Lab ID: 1401014-02
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	42.8		**90 %**	*39-106*	02/03/14	02/06/14 12:15	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	19.0		**80 %**	*43-108*	02/03/14	02/06/14 12:15	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	20.2		**85 %**	*43-116*	02/03/14	02/06/14 12:15	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	42.6		**90 %**	*10-123*	02/03/14	02/06/14 12:15	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	23.0		**97 %**	*33-141*	02/03/14	02/06/14 12:15	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		5.0	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
2-Butanone	U		5.0	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		1.0	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD
Lab ID: 1401014-02
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
2-Hexanone	U		5.0	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Naphthalene	**0.1**	J	0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Toluene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/14	01/30/14 15:39	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD
Lab ID: 1401014-02
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	5.090		**102 %**	*86-115*	01/30/14	01/30/14 15:39	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.640		**113 %**	*76-114*	01/30/14	01/30/14 15:39	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.600		**92 %**	*88-110*	01/30/14	01/30/14 15:39	*CLP trace/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD1
Lab ID: 1401014-03
Sample Matrix: Surface Water
Date Collected: 01/29/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 15:21	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	**124**		4.76	10	02/03/14	02/06/14 12:25	EPA 8270D/R3QA201
PPH	**0.803**		0.476	1	02/03/14	02/05/14 20:27	EPA 8270D/R3QA201
Acenaphthene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Acenaphthylene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Acetophenone	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Anthracene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Atrazine	U	UJ	4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Benzo(a)anthracene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Benzo(ghi)perylene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Benzo(a)pyrene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
1,1-Biphenyl	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	**0.571**	J	4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Butyl benzyl phthalate	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Carbazole	U	UJ	4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Caprolactam	U		9.52	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2-Chloronaphthalene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2-Chlorophenol	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Chrysene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Dibenzofuran	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Diethyl phthalate	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2,4-Dichlorophenol	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2,4-Dimethylphenol	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Dimethyl phthalate	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD1
Lab ID: 1401014-03
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U		9.52	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Di-n-octyl phthalate	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Fluoranthene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Fluorene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Hexachlorobenzene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Hexachlorobutadiene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Hexachloroethane	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Isophorone	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2-Methylnaphthalene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2-Methylphenol	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
4-Methylphenol	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Naphthalene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2-Nitroaniline	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
3-Nitroaniline	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Nitrobenzene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2-Nitrophenol	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
4-Nitrophenol	U		19.0	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Pentachlorophenol	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Phenanthrene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Phenol	U		9.52	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
Pyrene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U		9.52	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U		9.52	1	02/03/14	02/06/14 12:53	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	37.6		**79 %**	*21-110*	02/03/14	02/06/14 12:53	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD1
Lab ID: 1401014-03
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	38.4		**81 %**	*39-106*	02/03/14	02/06/14 12:53	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	16.9		**71 %**	*43-108*	02/03/14	02/06/14 12:53	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	17.8		**75 %**	*43-116*	02/03/14	02/06/14 12:53	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	38.3		**80 %**	*10-123*	02/03/14	02/06/14 12:53	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	20.6		**87 %**	*33-141*	02/03/14	02/06/14 12:53	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		5.0	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
2-Butanone	U		5.0	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		1.0	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD1
Lab ID: 1401014-03
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
2-Hexanone	U		5.0	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Naphthalene	**0.06**	J	0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Toluene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/14	01/30/14 16:07	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: CD1
Lab ID: 1401014-03
Sample Matrix: Surface Water
Date Collected: 01/29/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	5.540		**111 %**	*86-115*	01/30/14	01/30/14 16:07	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.820	*A*	**116 %**	*76-114*	01/30/14	01/30/14 16:07	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.510		**90 %**	*88-110*	01/30/14	01/30/14 16:07	*CLP trace/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB01
Lab ID: 1401014-04
Sample Matrix: Water
Date Collected: 01/29/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 16:02	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	U		0.476	1	02/03/14	02/05/14 21:17	EPA 8270D/R3QA201
PPH	U		0.476	1	02/03/14	02/05/14 21:17	EPA 8270D/R3QA201
Acenaphthene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Acenaphthylene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Acetophenone	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Anthracene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Atrazine	U	UJ	4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Benzo(a)anthracene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Benzo(ghi)perylene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Benzo(a)pyrene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
1,1-Biphenyl	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Butyl benzyl phthalate	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Carbazole	U	UJ	4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Caprolactam	U		9.52	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2-Chloronaphthalene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2-Chlorophenol	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Chrysene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Dibenzofuran	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Diethyl phthalate	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2,4-Dichlorophenol	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2,4-Dimethylphenol	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Dimethyl phthalate	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB01
Lab ID: 1401014-04
Sample Matrix: Water
Date Collected: 01/29/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U		9.52	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Di-n-octyl phthalate	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Fluoranthene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Fluorene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Hexachlorobenzene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Hexachlorobutadiene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Hexachloroethane	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Isophorone	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2-Methylnaphthalene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2-Methylphenol	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
4-Methylphenol	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Naphthalene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2-Nitroaniline	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
3-Nitroaniline	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Nitrobenzene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2-Nitrophenol	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
4-Nitrophenol	U		19.0	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Pentachlorophenol	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Phenanthrene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Phenol	U		9.52	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
Pyrene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U		9.52	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U		9.52	1	02/03/14	02/06/14 13:30	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	41.7		**88 %**	*21-110*	02/03/14	02/06/14 13:30	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB01
Lab ID: 1401014-04
Sample Matrix: Water
Date Collected: 01/29/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	42.2		**89 %**	*39-106*	02/03/14	02/06/14 13:30	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	19.0		**80 %**	*43-108*	02/03/14	02/06/14 13:30	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	19.5		**82 %**	*43-116*	02/03/14	02/06/14 13:30	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	39.3		**82 %**	*10-123*	02/03/14	02/06/14 13:30	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	22.0		**93 %**	*33-141*	02/03/14	02/06/14 13:30	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**0.4**	J	5.0	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
2-Butanone	U		5.0	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		1.0	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB01
Lab ID: 1401014-04
Sample Matrix: Water
Date Collected: 01/29/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
2-Hexanone	U		5.0	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Methylene Chloride	**0.09**	J	0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Toluene	**0.2**	J	0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/14	01/30/14 14:44	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB01
Lab ID: 1401014-04
Sample Matrix: Water
Date Collected: 01/29/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.880		**98 %**	*86-115*	01/30/14	01/30/14 14:44	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.390		**108 %**	*76-114*	01/30/14	01/30/14 14:44	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.650		**93 %**	*88-110*	01/30/14	01/30/14 14:44	*CLP trace/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: TB01
Lab ID: 1401014-05
Sample Matrix: Surface Water
Date Collected: 01/28/2014

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		5.0	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Benzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Bromobenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Bromoform	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Bromomethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
2-Butanone	U		5.0	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Chloroethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Chloroform	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Chloromethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Cyclohexane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		1.0	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Dibromomethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Freon 113	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: TB01
Lab ID: 1401014-05
Sample Matrix: Surface Water
Date Collected: 01/28/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Hexachlorobutadiene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
2-Hexanone	U		5.0	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Methylene Chloride	**0.1**	J	0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Naphthalene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Styrene	U		1.0	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Toluene	**0.2**	J	0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Trichloroethene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210
o-Xylene	U		1.0	1	01/30/14	01/30/14 14:16	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.990		**100 %**	*86-115*	01/30/14	01/30/14 14:16	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.580		**112 %**	*76-114*	01/30/14	01/30/14 14:16	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.600		**92 %**	*88-110*	01/30/14	01/30/14 14:16	*CLP trace/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Pipe-1
Lab ID: 1401014-06
Sample Matrix: Water
Date Collected: 01/31/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 16:43	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	**221000**		4760	10000	02/05/14	02/10/14 17:07	EPA 8270D/R3QA201
PPH	**260**		4.76	10	02/05/14	02/07/14 16:13	EPA 8270D/R3QA201
Acenaphthene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Acenaphthylene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Acetophenone	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Anthracene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Atrazine	U	UJ	4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Benzo(a)anthracene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Benzo(ghi)perylene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Benzo(a)pyrene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
1,1-Biphenyl	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Butyl benzyl phthalate	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Carbazole	U	UJ	4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Caprolactam	U		9520	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2-Chloronaphthalene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2-Chlorophenol	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Chrysene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Dibenzofuran	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Diethyl phthalate	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2,4-Dichlorophenol	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2,4-Dimethylphenol	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Dimethyl phthalate	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Pipe-1
Lab ID: 1401014-06
Sample Matrix: Water
Date Collected: 01/31/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U		9520	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Di-n-octyl phthalate	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Fluoranthene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Fluorene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Hexachlorobenzene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Hexachlorobutadiene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Hexachloroethane	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Isophorone	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2-Methylnaphthalene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2-Methylphenol	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
4-Methylphenol	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Naphthalene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2-Nitroaniline	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
3-Nitroaniline	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Nitrobenzene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2-Nitrophenol	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
4-Nitrophenol	U		19000	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Pentachlorophenol	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Phenanthrene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Phenol	U		9520	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
Pyrene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U		4760	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U		9520	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U		9520	1000	02/05/14	02/11/14 16:04	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	38.1		**80 %**	*21-110*	02/05/14	02/11/14 16:04	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Pipe-1
Lab ID: 1401014-06
Sample Matrix: Water
Date Collected: 01/31/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	38.1		**80 %**	*39-106*	02/05/14	02/11/14 16:04	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	10300	*TD*	**43200 %**	*43-108*	02/05/14	02/11/14 16:04	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	28.6	*TD*	**120 %**	*43-116*	02/05/14	02/11/14 16:04	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	9.52		**20 %**	*10-123*	02/05/14	02/11/14 16:04	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	19.0		**80 %**	*33-141*	02/05/14	02/11/14 16:04	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**11.0**		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Benzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Bromobenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Bromochloromethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Bromodichloromethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Bromoform	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Bromomethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
2-Butanone	U		10.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
sec-Butylbenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
tert-Butylbenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
n-Butylbenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Carbon disulfide	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Carbon Tetrachloride	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Chlorobenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Chlorodibromomethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Chloroethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
2-Chloroethylvinyl ether	U		10.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Chloroform	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Chloromethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
2-Chlorotoluene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
4-Chlorotoluene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Cyclohexane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,2-Dibromo-3-chloropropane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,2-Dibromoethane (EDB)	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Dibromomethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,2-Dichlorobenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,3-Dichlorobenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,4-Dichlorobenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Dichlorodifluoromethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,1-Dichloroethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,2-Dichloroethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Pipe-1
Lab ID: 1401014-06
Sample Matrix: Water
Date Collected: 01/31/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
cis-1,2-Dichloroethene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
trans-1,2-Dichloroethene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,2-Dichloropropane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,3-Dichloropropane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
2,2-Dichloropropane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,1-Dichloropropene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
cis-1,3-Dichloropropene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
trans-1,3-Dichloropropene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Ethylbenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Freon 113	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Hexachlorobutadiene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
2-Hexanone	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Isopropylbenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
p-Isopropyltoluene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Methyl Acetate	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Methylcyclohexane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Methyl-tert-butyl ether	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Methylene Chloride	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Naphthalene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
n-Propylbenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Styrene	U		10.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,1,2,2-Tetrachloroethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,1,1,2-Tetrachloroethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Tetrachloroethene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Toluene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,2,3-Trichlorobenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,2,4-Trichlorobenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,1,1-Trichloroethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,1,2-Trichloroethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Trichloroethene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Trichlorofluoromethane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,2,3-Trichloropropane	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,2,4-Trimethylbenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
1,3,5-Trimethylbenzene	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Vinyl acetate	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
Vinyl chloride	U		5.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
m-Xylene/p-Xylene	U		10.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210
o-Xylene	U		10.0	1	02/05/14	02/05/14 14:08	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Pipe-1
Lab ID: 1401014-06
Sample Matrix: Water
Date Collected: 01/31/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	17.91		**90 %**	*86-115*	02/05/14	02/05/14 14:08	*CLP low-mid/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	20.55		**103 %**	*76-114*	02/05/14	02/05/14 14:08	*CLP low-mid/R3QA210*
Surrogate: Toluene-d8	19.85		**99 %**	*88-110*	02/05/14	02/05/14 14:08	*CLP low-mid/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Seep-1
Lab ID: 1401014-07
Sample Matrix: Groundwater
Date Collected: 02/01/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 17:25	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	**10.4**		0.476	1	02/05/14	02/10/14 16:17	EPA 8270D/R3QA201
PPH	U		0.476	1	02/05/14	02/10/14 16:17	EPA 8270D/R3QA201
Acenaphthene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Acenaphthylene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Acetophenone	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Anthracene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Atrazine	U	UJ	4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Benzo(a)anthracene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Benzo(ghi)perylene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Benzo(a)pyrene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
1,1-Biphenyl	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Butyl benzyl phthalate	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Carbazole	U	UJ	4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Caprolactam	U		9.52	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2-Chloronaphthalene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2-Chlorophenol	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Chrysene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Dibenzofuran	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Diethyl phthalate	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2,4-Dichlorophenol	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2,4-Dimethylphenol	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Dimethyl phthalate	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Seep-1
Lab ID: 1401014-07
Sample Matrix: Groundwater
Date Collected: 02/01/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U		9.52	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Di-n-octyl phthalate	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Fluoranthene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Fluorene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Hexachlorobenzene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Hexachlorobutadiene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Hexachloroethane	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Isophorone	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2-Methylnaphthalene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2-Methylphenol	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
4-Methylphenol	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Naphthalene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2-Nitroaniline	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
3-Nitroaniline	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Nitrobenzene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2-Nitrophenol	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
4-Nitrophenol	U		19.0	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Pentachlorophenol	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Phenanthrene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Phenol	U		9.52	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
Pyrene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U		4.76	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U		9.52	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U		9.52	1	02/05/14	02/11/14 16:41	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	35.8		**75 %**	*21-110*	02/05/14	02/11/14 16:41	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Seep-1
Lab ID: 1401014-07
Sample Matrix: Groundwater
Date Collected: 02/01/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	36.8		**77 %**	*39-106*	02/05/14	02/11/14 16:41	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	16.5		**69 %**	*43-108*	02/05/14	02/11/14 16:41	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	17.3		**73 %**	*43-116*	02/05/14	02/11/14 16:41	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	36.7		**77 %**	*10-123*	02/05/14	02/11/14 16:41	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	18.6		**78 %**	*33-141*	02/05/14	02/11/14 16:41	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**1.6**	J	5.0	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Benzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Bromoform	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
2-Butanone	U		5.0	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Chloroform	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Seep-1
Lab ID: 1401014-07
Sample Matrix: Groundwater
Date Collected: 02/01/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Freon 113	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
2-Hexanone	U		5.0	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Methylene Chloride	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Styrene	U		1.0	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Toluene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/06/14	02/06/14 12:37	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: Seep-1
Lab ID: 1401014-07
Sample Matrix: Groundwater
Date Collected: 02/01/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.830		**97 %**	*86-115*	02/06/14	02/06/14 12:37	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	6.010	*A*	**120 %**	*76-114*	02/06/14	02/06/14 12:37	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.670		**93 %**	*88-110*	02/06/14	02/06/14 12:37	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: TB02
Lab ID: 1401014-08
Sample Matrix: Water
Date Collected: 01/31/2014

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	U		5.0	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Benzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Bromoform	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
2-Butanone	U		5.0	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Chloroform	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Freon 113	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: TB02
Lab ID: 1401014-08
Sample Matrix: Water
Date Collected: 01/31/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Hexachlorobutadiene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
2-Hexanone	U		5.0	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Methylene Chloride	**0.2**	J	0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Styrene	U		1.0	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Toluene	**0.1**	J	0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/04/14	02/04/14 18:11	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	5.060		**101 %**	*86-115*	02/04/14	02/04/14 18:11	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.800	*A*	**116 %**	*76-114*	02/04/14	02/04/14 18:11	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.600		**92 %**	*88-110*	02/04/14	02/04/14 18:11	*CLP trace/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-2
Lab ID: 1401014-09
Sample Matrix: Groundwater
Date Collected: 02/06/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 18:06	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	**3.24**	B, J	4.85	1	02/10/14	02/21/14 15:48	EPA 8270D/R3QA201
PPH	**0.326**	J	0.485	1	02/10/14	02/21/14 15:48	EPA 8270D/R3QA201
Acenaphthene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Acenaphthylene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Acetophenone	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Anthracene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Atrazine	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Benzo(a)anthracene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Benzo(ghi)perylene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Benzo(a)pyrene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
1,1-Biphenyl	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	**0.534**	J	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Butyl benzyl phthalate	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Carbazole	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Caprolactam	U		9.71	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2-Chloronaphthalene	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2-Chlorophenol	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Chrysene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Dibenzofuran	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Diethyl phthalate	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2,4-Dichlorophenol	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2,4-Dimethylphenol	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Dimethyl phthalate	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-2
Lab ID: 1401014-09
Sample Matrix: Groundwater
Date Collected: 02/06/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.71	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Di-n-octyl phthalate	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Fluoranthene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Fluorene	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Hexachlorobenzene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Hexachlorobutadiene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Hexachloroethane	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Isophorone	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2-Methylnaphthalene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2-Methylphenol	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
4-Methylphenol	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Naphthalene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2-Nitroaniline	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
3-Nitroaniline	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Nitrobenzene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2-Nitrophenol	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
4-Nitrophenol	U		19.4	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Pentachlorophenol	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Phenanthrene	U	UJ	4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Phenol	U		9.71	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
Pyrene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U		4.85	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U		9.71	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U		9.71	1	02/10/14	02/24/14 17:00	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	27.0		**56 %**	*21-110*	02/10/14	02/24/14 17:00	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-2
Lab ID: 1401014-09
Sample Matrix: Groundwater
Date Collected: 02/06/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	28.3		**58 %**	*39-106*	02/10/14	02/24/14 17:00	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	12.5		**51 %**	*43-108*	02/10/14	02/24/14 17:00	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	13.5		**56 %**	*43-116*	02/10/14	02/24/14 17:00	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	30.4		**63 %**	*10-123*	02/10/14	02/24/14 17:00	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	9.36		**39 %**	*33-141*	02/10/14	02/24/14 17:00	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**2.6**	B, J	5.0	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Benzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Bromoform	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
2-Butanone	U		5.0	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Chloroform	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-2
Lab ID: 1401014-09
Sample Matrix: Groundwater
Date Collected: 02/06/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Freon 113	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
2-Hexanone	U		5.0	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Methylene Chloride	**0.1**	B, J	0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Styrene	U		1.0	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Toluene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
m-Xylene/p-Xylene	U		1.0	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/12/14	02/12/14 16:53	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-2
Lab ID: 1401014-09
Sample Matrix: Groundwater
Date Collected: 02/06/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.730		**95 %**	*86-115*	02/12/14	02/12/14 16:53	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.870	*A*	**117 %**	*76-114*	02/12/14	02/12/14 16:53	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.890		**98 %**	*88-110*	02/12/14	02/12/14 16:53	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: TB03
Lab ID: 1401014-10
Sample Matrix: Water
Date Collected: 02/03/2014

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**1.8**	B, J	5.0	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Benzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Bromoform	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
2-Butanone	U		5.0	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Chloroform	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Freon 113	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: TB03
Lab ID: 1401014-10
Sample Matrix: Water
Date Collected: 02/03/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Hexachlorobutadiene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
2-Hexanone	U		5.0	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Methylene Chloride	**0.3**	J	0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Styrene	U		1.0	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Toluene	**0.2**	J	0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
m-Xylene/p-Xylene	**0.1**	J	1.0	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/12/14	02/12/14 15:30	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**% Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	5.010		**100 %**	*86-115*	02/12/14	02/12/14 15:30	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.610		**112 %**	*76-114*	02/12/14	02/12/14 15:30	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.550		**91 %**	*88-110*	02/12/14	02/12/14 15:30	*CLP trace/R3QA210*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: TB04
Lab ID: 1401014-11
Sample Matrix: Water
Date Collected: 02/06/2014

Volatile Organic Compounds
Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**1.9**	B, J	5.0	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Benzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Bromoform	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
2-Butanone	U		5.0	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Chloroform	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,2-Dichloroethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,1-Dichloroethene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Ethylbenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Freon 113	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: TB04
Lab ID: 1401014-11
Sample Matrix: Water
Date Collected: 02/06/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Hexachlorobutadiene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
2-Hexanone	U		5.0	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Methylene Chloride	**0.2**	J	0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Naphthalene	**0.06**	J	0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Styrene	U		1.0	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Toluene	**0.3**	J	0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,2,4-Trimethylbenzene	**0.07**	J	0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
m-Xylene/p-Xylene	**0.1**	J	1.0	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210
o-Xylene	U		1.0	1	02/12/14	02/12/14 15:58	CLP trace/R3QA210

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	4.930		**99 %**	*86-115*	02/12/14	02/12/14 15:58	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.560		**111 %**	*76-114*	02/12/14	02/12/14 15:58	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.980		**100 %**	*88-110*	02/12/14	02/12/14 15:58	*CLP trace/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-5
Lab ID: 1401014-12
Sample Matrix: Groundwater
Date Collected: 02/07/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 18:47	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	U	UJ	5.05	1	02/18/14	02/21/14 18:18	EPA 8270D/R3QA201
PPH	U	UJ	0.505	1	02/18/14	02/21/14 18:18	EPA 8270D/R3QA201
Acenaphthene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Acenaphthylene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Acetophenone	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Anthracene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Atrazine	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Benzo(a)anthracene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Benzo(ghi)perylene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Benzo(a)pyrene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
1,1-Biphenyl	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Butyl benzyl phthalate	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Carbazole	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Caprolactam	U	UJ	10.1	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2-Chloronaphthalene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2-Chlorophenol	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Chrysene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Dibenzofuran	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Diethyl phthalate	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2,4-Dichlorophenol	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2,4-Dimethylphenol	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Dimethyl phthalate	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-5
Lab ID: 1401014-12
Sample Matrix: Groundwater
Date Collected: 02/07/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.1	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Di-n-octyl phthalate	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Fluoranthene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Fluorene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Hexachlorobenzene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Hexachlorobutadiene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Hexachloroethane	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Isophorone	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2-Methylnaphthalene	**3.09**	J	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2-Methylphenol	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
4-Methylphenol	**0.788**	J	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Naphthalene	**4.77**	J	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2-Nitroaniline	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
3-Nitroaniline	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Nitrobenzene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2-Nitrophenol	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
4-Nitrophenol	U	UJ	20.2	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Pentachlorophenol	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Phenanthrene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Phenol	U	UJ	10.1	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
Pyrene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U	UJ	5.05	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U	UJ	10.1	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U	UJ	10.1	1	02/18/14	02/24/14 18:53	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	25.9		**51 %**	*21-110*	02/18/14	02/24/14 18:53	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-5
Lab ID: 1401014-12
Sample Matrix: Groundwater
Date Collected: 02/07/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	28.2		**56 %**	*39-106*	02/18/14	02/24/14 18:53	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	11.6		**46 %**	*43-108*	02/18/14	02/24/14 18:53	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	12.7		**50 %**	*43-116*	02/18/14	02/24/14 18:53	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	27.4		**54 %**	*10-123*	02/18/14	02/24/14 18:53	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	13.7		**54 %**	*33-141*	02/18/14	02/24/14 18:53	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**18.3**	B, J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Benzene	**0.2**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Bromobenzene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Bromochloromethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Bromodichloromethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Bromoform	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Bromomethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
2-Butanone	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
sec-Butylbenzene	**3.0**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
tert-Butylbenzene	**0.6**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
n-Butylbenzene	**5.3**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Carbon disulfide	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Carbon Tetrachloride	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Chlorobenzene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Chlorodibromomethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Chloroethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
2-Chloroethylvinyl ether	U		10.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Chloroform	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Chloromethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
2-Chlorotoluene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
4-Chlorotoluene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Cyclohexane	**9.5**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,2-Dibromo-3-chloropropane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,2-Dibromoethane (EDB)	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Dibromomethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,2-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,3-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,4-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Dichlorodifluoromethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,1-Dichloroethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,2-Dichloroethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-5
Lab ID: 1401014-12
Sample Matrix: Groundwater
Date Collected: 02/07/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
cis-1,2-Dichloroethene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
trans-1,2-Dichloroethene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,2-Dichloropropane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,3-Dichloropropane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
2,2-Dichloropropane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,1-Dichloropropene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
cis-1,3-Dichloropropene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
trans-1,3-Dichloropropene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Ethylbenzene	**3.4**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Freon 113	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Hexachlorobutadiene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
2-Hexanone	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Isopropylbenzene	**10.7**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
p-Isopropyltoluene	**2.2**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Methyl Acetate	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Methylcyclohexane	**37.9**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Methyl-tert-butyl ether	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Methylene Chloride	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Naphthalene	**15.9**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
n-Propylbenzene	**31.1**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Styrene	U		10.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,1,2,2-Tetrachloroethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,1,1,2-Tetrachloroethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Tetrachloroethene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Toluene	**0.2**	B, J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,2,3-Trichlorobenzene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,2,4-Trichlorobenzene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,1,1-Trichloroethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,1,2-Trichloroethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Trichloroethene	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Trichlorofluoromethane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,2,3-Trichloropropane	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
1,2,4-Trimethylbenzene	**151**	J	50.0	10	02/18/14	02/19/14 14:06	CLP low-mid/R3QA210
1,3,5-Trimethylbenzene	**3.7**	J	5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Vinyl acetate	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
Vinyl chloride	U		5.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
m-Xylene/p-Xylene	**0.5**	B, J	10.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210
o-Xylene	**0.2**	B, J	10.0	1	02/18/14	02/18/14 18:41	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-5
Lab ID: 1401014-12
Sample Matrix: Groundwater
Date Collected: 02/07/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	20.70		**104 %**	*86-115*	02/18/14	02/18/14 18:41	*CLP low-mid/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	18.68		**93 %**	*76-114*	02/18/14	02/18/14 18:41	*CLP low-mid/R3QA210*
Surrogate: Toluene-d8	19.39		**97 %**	*88-110*	02/18/14	02/18/14 18:41	*CLP low-mid/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-6
Lab ID: 1401014-13
Sample Matrix: Groundwater
Date Collected: 02/07/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 19:28	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	U	UJ	5.00	1	02/18/14	02/21/14 20:48	EPA 8270D/R3QA201
PPH	**4.00**	J	0.500	1	02/18/14	02/21/14 20:48	EPA 8270D/R3QA201
Acenaphthene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Acenaphthylene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Acetophenone	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Anthracene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Atrazine	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Benzo(a)anthracene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Benzo(ghi)perylene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Benzo(a)pyrene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
1,1-Biphenyl	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Butyl benzyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Carbazole	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Caprolactam	U	UJ	10.0	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2-Chloronaphthalene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2-Chlorophenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Chrysene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Dibenzofuran	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Diethyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2,4-Dichlorophenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2,4-Dimethylphenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Dimethyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-6
Lab ID: 1401014-13
Sample Matrix: Groundwater
Date Collected: 02/07/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Di-n-octyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Fluoranthene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Fluorene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Hexachlorobenzene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Hexachlorobutadiene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Hexachloroethane	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Isophorone	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2-Methylnaphthalene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2-Methylphenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
4-Methylphenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Naphthalene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2-Nitroaniline	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
3-Nitroaniline	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Nitrobenzene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2-Nitrophenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
4-Nitrophenol	U	UJ	20.0	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Pentachlorophenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Phenanthrene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Phenol	U	UJ	10.0	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
Pyrene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U	UJ	5.00	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U	UJ	10.0	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U	UJ	10.0	1	02/18/14	02/24/14 20:47	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	24.1		**48 %**	*21-110*	02/18/14	02/24/14 20:47	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-6
Lab ID: 1401014-13
Sample Matrix: Groundwater
Date Collected: 02/07/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	26.1		**52 %**	*39-106*	02/18/14	02/24/14 20:47	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	11.2		**45 %**	*43-108*	02/18/14	02/24/14 20:47	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	12.2		**49 %**	*43-116*	02/18/14	02/24/14 20:47	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	26.9		**54 %**	*10-123*	02/18/14	02/24/14 20:47	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	13.6		**54 %**	*33-141*	02/18/14	02/24/14 20:47	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**7.5**	B, J	5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Benzene	**0.3**	J	5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Bromobenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Bromochloromethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Bromodichloromethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Bromoform	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Bromomethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
2-Butanone	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
sec-Butylbenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
tert-Butylbenzene	**0.8**	J	5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
n-Butylbenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Carbon disulfide	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Carbon Tetrachloride	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Chlorobenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Chlorodibromomethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Chloroethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
2-Chloroethylvinyl ether	U		10.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Chloroform	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Chloromethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
2-Chlorotoluene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
4-Chlorotoluene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Cyclohexane	**9.1**	J	5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,2-Dibromo-3-chloropropane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,2-Dibromoethane (EDB)	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Dibromomethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,2-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,3-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,4-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Dichlorodifluoromethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,1-Dichloroethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,2-Dichloroethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-6
Lab ID: 1401014-13
Sample Matrix: Groundwater
Date Collected: 02/07/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
cis-1,2-Dichloroethene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
trans-1,2-Dichloroethene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,2-Dichloropropane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,3-Dichloropropane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
2,2-Dichloropropane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,1-Dichloropropene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
cis-1,3-Dichloropropene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
trans-1,3-Dichloropropene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Ethylbenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Freon 113	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Hexachlorobutadiene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
2-Hexanone	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Isopropylbenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
p-Isopropyltoluene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Methyl Acetate	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Methylcyclohexane	**160**	J	50.0	10	02/18/14	02/19/14 14:32	CLP low-mid/R3QA210
Methyl-tert-butyl ether	**0.5**	J	5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Methylene Chloride	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Naphthalene	**0.4**	J	5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
n-Propylbenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Styrene	U		10.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,1,2,2-Tetrachloroethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,1,1,2-Tetrachloroethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Tetrachloroethene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Toluene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,2,3-Trichlorobenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,2,4-Trichlorobenzene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,1,1-Trichloroethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,1,2-Trichloroethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Trichloroethene	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Trichlorofluoromethane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,2,3-Trichloropropane	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,2,4-Trimethylbenzene	**0.2**	B, J	5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
1,3,5-Trimethylbenzene	**0.1**	J	5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Vinyl acetate	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
Vinyl chloride	U		5.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
m-Xylene/p-Xylene	**0.09**	B, J	10.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210
o-Xylene	**0.2**	B, J	10.0	1	02/18/14	02/18/14 19:34	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-6
Lab ID: 1401014-13
Sample Matrix: Groundwater
Date Collected: 02/07/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	22.42		**112 %**	*86-115*	02/18/14	02/18/14 19:34	*CLP low-mid/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	18.53		**93 %**	*76-114*	02/18/14	02/18/14 19:34	*CLP low-mid/R3QA210*
Surrogate: Toluene-d8	19.53		**98 %**	*88-110*	02/18/14	02/18/14 19:34	*CLP low-mid/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-3
Lab ID: 1401014-14
Sample Matrix: Groundwater
Date Collected: 02/08/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 20:51	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	U	UJ	5.00	1	02/18/14	02/21/14 21:38	EPA 8270D/R3QA201
PPH	**2.89**	J	0.500	1	02/18/14	02/21/14 21:38	EPA 8270D/R3QA201
Acenaphthene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Acenaphthylene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Acetophenone	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Anthracene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Atrazine	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Benzo(a)anthracene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Benzo(ghi)perylene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Benzo(a)pyrene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
1,1-Biphenyl	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Butyl benzyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Carbazole	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Caprolactam	U	UJ	10.0	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2-Chloronaphthalene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2-Chlorophenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Chrysene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Dibenzofuran	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Diethyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2,4-Dichlorophenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2,4-Dimethylphenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Dimethyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-3
Lab ID: 1401014-14
Sample Matrix: Groundwater
Date Collected: 02/08/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	10.0	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Di-n-octyl phthalate	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Fluoranthene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Fluorene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Hexachlorobenzene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Hexachlorobutadiene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Hexachloroethane	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Isophorone	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2-Methylnaphthalene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2-Methylphenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
4-Methylphenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Naphthalene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2-Nitroaniline	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
3-Nitroaniline	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Nitrobenzene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2-Nitrophenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
4-Nitrophenol	U	UJ	20.0	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Pentachlorophenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Phenanthrene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Phenol	U	UJ	10.0	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
Pyrene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U	UJ	5.00	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U	UJ	10.0	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U	UJ	10.0	1	02/18/14	02/24/14 21:25	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	24.3		**49 %**	*21-110*	02/18/14	02/24/14 21:25	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-3
Lab ID: 1401014-14
Sample Matrix: Groundwater
Date Collected: 02/08/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	26.0		**52 %**	*39-106*	02/18/14	02/24/14 21:25	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	11.0		**44 %**	*43-108*	02/18/14	02/24/14 21:25	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	12.3		**49 %**	*43-116*	02/18/14	02/24/14 21:25	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	27.3		**55 %**	*10-123*	02/18/14	02/24/14 21:25	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	15.1		**60 %**	*33-141*	02/18/14	02/24/14 21:25	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**1.4**	B, J	5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Benzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Bromobenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Bromochloromethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Bromodichloromethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Bromoform	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Bromomethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
2-Butanone	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
sec-Butylbenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
tert-Butylbenzene	**0.2**	J	5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
n-Butylbenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Carbon disulfide	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Carbon Tetrachloride	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Chlorobenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Chlorodibromomethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Chloroethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
2-Chloroethylvinyl ether	U		10.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Chloroform	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Chloromethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
2-Chlorotoluene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
4-Chlorotoluene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Cyclohexane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,2-Dibromo-3-chloropropane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,2-Dibromoethane (EDB)	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Dibromomethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,2-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,3-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,4-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Dichlorodifluoromethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,1-Dichloroethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,2-Dichloroethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-3
Lab ID: 1401014-14
Sample Matrix: Groundwater
Date Collected: 02/08/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
cis-1,2-Dichloroethene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
trans-1,2-Dichloroethene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,2-Dichloropropane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,3-Dichloropropane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
2,2-Dichloropropane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,1-Dichloropropene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
cis-1,3-Dichloropropene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
trans-1,3-Dichloropropene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Ethylbenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Freon 113	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Hexachlorobutadiene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
2-Hexanone	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Isopropylbenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
p-Isopropyltoluene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Methyl Acetate	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Methylcyclohexane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Methyl-tert-butyl ether	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Methylene Chloride	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Naphthalene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
n-Propylbenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Styrene	U		10.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,1,2,2-Tetrachloroethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,1,1,2-Tetrachloroethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Tetrachloroethene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Toluene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,2,3-Trichlorobenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,2,4-Trichlorobenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,1,1-Trichloroethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,1,2-Trichloroethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Trichloroethene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Trichlorofluoromethane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,2,3-Trichloropropane	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,2,4-Trimethylbenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
1,3,5-Trimethylbenzene	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Vinyl acetate	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
Vinyl chloride	U		5.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
m-Xylene/p-Xylene	U		10.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210
o-Xylene	U		10.0	1	02/18/14	02/18/14 16:58	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-3
Lab ID: 1401014-14
Sample Matrix: Groundwater
Date Collected: 02/08/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	19.57		**98 %**	*86-115*	02/18/14	02/18/14 16:58	*CLP low-mid/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	20.39		**102 %**	*76-114*	02/18/14	02/18/14 16:58	*CLP low-mid/R3QA210*
Surrogate: Toluene-d8	19.28		**96 %**	*88-110*	02/18/14	02/18/14 16:58	*CLP low-mid/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-4
Lab ID: 1401014-15
Sample Matrix: Groundwater
Date Collected: 02/08/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 21:32	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	U	UJ	5.00	1	02/18/14	02/21/14 22:28	EPA 8270D/R3QA201
PPH	**18.9**	J	0.500	1	02/18/14	02/21/14 22:28	EPA 8270D/R3QA201
Acenaphthene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Acenaphthylene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Acetophenone	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Anthracene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Atrazine	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Benzo(a)anthracene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Benzo(ghi)perylene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Benzo(a)pyrene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
1,1-Biphenyl	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	**182**	J	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Butyl benzyl phthalate	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Carbazole	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Caprolactam	U	UJ	100	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2-Chloronaphthalene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2-Chlorophenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Chrysene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Dibenzofuran	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Diethyl phthalate	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2,4-Dichlorophenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2,4-Dimethylphenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Dimethyl phthalate	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-4
Lab ID: 1401014-15
Sample Matrix: Groundwater
Date Collected: 02/08/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	100	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Di-n-octyl phthalate	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Fluoranthene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Fluorene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Hexachlorobenzene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Hexachlorobutadiene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Hexachloroethane	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Isophorone	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2-Methylnaphthalene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2-Methylphenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
4-Methylphenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Naphthalene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2-Nitroaniline	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
3-Nitroaniline	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Nitrobenzene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2-Nitrophenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
4-Nitrophenol	U	UJ	200	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Pentachlorophenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Phenanthrene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Phenol	U	UJ	100	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
Pyrene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U	UJ	50.0	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U	UJ	100	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U	UJ	100	10	02/18/14	02/24/14 22:41	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	36.0		**72 %**	*21-110*	02/18/14	02/24/14 22:41	*EPA 8270D/R3QA201*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-4
Lab ID: 1401014-15
Sample Matrix: Groundwater
Date Collected: 02/08/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	34.6		**69 %**	*39-106*	02/18/14	02/24/14 22:41	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	18.5		**74 %**	*43-108*	02/18/14	02/24/14 22:41	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	16.7		**67 %**	*43-116*	02/18/14	02/24/14 22:41	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	36.3		**73 %**	*10-123*	02/18/14	02/24/14 22:41	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	16.2		**66 %**	*33-141*	02/18/14	02/24/14 22:41	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**19.1**	B, J	5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Benzene	**1.1**	J	5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Bromobenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Bromochloromethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Bromodichloromethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Bromoform	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Bromomethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
2-Butanone	**5.7**	J	5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
sec-Butylbenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
tert-Butylbenzene	**0.2**	J	5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
n-Butylbenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Carbon disulfide	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Carbon Tetrachloride	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Chlorobenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Chlorodibromomethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Chloroethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
2-Chloroethylvinyl ether	U		10.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Chloroform	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Chloromethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
2-Chlorotoluene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
4-Chlorotoluene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Cyclohexane	**45.3**	J	5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,2-Dibromo-3-chloropropane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,2-Dibromoethane (EDB)	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Dibromomethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,2-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,3-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,4-Dichlorobenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Dichlorodifluoromethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,1-Dichloroethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,2-Dichloroethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-4
Lab ID: 1401014-15
Sample Matrix: Groundwater
Date Collected: 02/08/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
cis-1,2-Dichloroethene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
trans-1,2-Dichloroethene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,2-Dichloropropane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,3-Dichloropropane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
2,2-Dichloropropane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,1-Dichloropropene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
cis-1,3-Dichloropropene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
trans-1,3-Dichloropropene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Ethylbenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Freon 113	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Hexachlorobutadiene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
2-Hexanone	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Isopropylbenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
p-Isopropyltoluene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Methyl Acetate	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Methylcyclohexane	**32.3**	J	5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Methyl-tert-butyl ether	**0.6**	J	5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Methylene Chloride	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Naphthalene	**0.4**	B, J	5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
n-Propylbenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Styrene	U		10.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,1,2,2-Tetrachloroethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,1,1,2-Tetrachloroethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Tetrachloroethene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Toluene	**0.2**	B, J	5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,2,3-Trichlorobenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,2,4-Trichlorobenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,1,1-Trichloroethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,1,2-Trichloroethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Trichloroethene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Trichlorofluoromethane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,2,3-Trichloropropane	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,2,4-Trimethylbenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
1,3,5-Trimethylbenzene	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Vinyl acetate	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
Vinyl chloride	U		5.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
m-Xylene/p-Xylene	U		10.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210
o-Xylene	U		10.0	1	02/18/14	02/18/14 17:50	CLP low-mid/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: MW-4
Lab ID: 1401014-15
Sample Matrix: Groundwater
Date Collected: 02/08/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	21.06		**105 %**	*86-115*	02/18/14	02/18/14 17:50	*CLP low-mid/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	18.96		**95 %**	*76-114*	02/18/14	02/18/14 17:50	*CLP low-mid/R3QA210*
Surrogate: Toluene-d8	19.62		**98 %**	*88-110*	02/18/14	02/18/14 17:50	*CLP low-mid/R3QA210*

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB02
Lab ID: 1401014-16
Sample Matrix: Water
Date Collected: 02/08/2014

HPLC Identification
Targets

Analyte	Result [blank]	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
HPLC Identification	0.0	C		1	02/19/14	02/19/14 22:13	SW8321B

Semivolatile Organic Compounds
Targets

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
MCHM	**1.34**	B, J	4.90	1	02/18/14	02/21/14 23:18	EPA 8270D/R3QA201
PPH	U	UJ	0.490	1	02/18/14	02/21/14 23:18	EPA 8270D/R3QA201
Acenaphthene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Acenaphthylene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Acetophenone	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Anthracene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Atrazine	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Benzaldehyde	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Benzo(a)anthracene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Benzo(b)fluoranthene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Benzo(k)fluoranthene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Benzo(ghi)perylene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Benzo(a)pyrene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
1,1-Biphenyl	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Bis(2-chloroethoxy)methane	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Bis(2-chloroethyl)ether	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Bis(2-chloroisopropyl)ether	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Bis(2-ethylhexyl)phthalate	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
4-Bromophenyl phenyl ether	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Butyl benzyl phthalate	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Carbazole	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Caprolactam	U	UJ	9.80	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
4-Chloroaniline	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
4-Chloro-3-methylphenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2-Chloronaphthalene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2-Chlorophenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
4-Chlorophenyl phenyl ether	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Chrysene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Dibenz(a,h)anthracene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Dibenzofuran	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
3,3'-Dichlorobenzidine	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Diethyl phthalate	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2,4-Dichlorophenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2,4-Dimethylphenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Dimethyl phthalate	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB02
Lab ID: 1401014-16
Sample Matrix: Water
Date Collected: 02/08/2014

Semivolatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L H2	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Di-n-butyl phthalate	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
4,6-Dinitro-2-methylphenol	U	UJ	9.80	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2,4-Dinitrophenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2,4-Dinitrotoluene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2,6-Dinitrotoluene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Di-n-octyl phthalate	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Fluoranthene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Fluorene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Hexachlorobenzene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Hexachlorobutadiene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Hexachlorocyclopentadiene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Hexachloroethane	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Indeno(1,2,3-cd)pyrene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Isophorone	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2-Methylnaphthalene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2-Methylphenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
4-Methylphenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Naphthalene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2-Nitroaniline	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
3-Nitroaniline	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
4-Nitroaniline	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Nitrobenzene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2-Nitrophenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
4-Nitrophenol	U	UJ	19.6	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
N-Nitrosodimethylamine	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
N-Nitroso-di-n-propylamine	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
N-Nitrosodiphenylamine	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Pentachlorophenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Phenanthrene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Phenol	U	UJ	9.80	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
Pyrene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
1,2,4,5-Tetrachlorobenzene	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2,3,4,6-Tetrachlorophenol	U	UJ	4.90	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2,4,5-Trichlorophenol	U	UJ	9.80	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201
2,4,6-Trichlorophenol	U	UJ	9.80	1	02/18/14	02/24/14 22:03	EPA 8270D/R3QA201

Surrogates

Analyte	Result ug/L	Flags Qualifiers	**%Recovery**	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 2-Fluorophenol	25.8		**53 %**	*21-110*	02/18/14	02/24/14 22:03	*EPA 8270D/R3QA201*

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB02
Lab ID: 1401014-16
Sample Matrix: Water
Date Collected: 02/08/2014

Semivolatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: Phenol-d5	27.1		**55 %**	*39-106*	02/18/14	02/24/14 22:03	*EPA 8270D/R3QA201*
Surrogate: Nitrobenzene-d5	11.4		**47 %**	*43-108*	02/18/14	02/24/14 22:03	*EPA 8270D/R3QA201*
Surrogate: 2-Fluorobiphenyl	12.1		**49 %**	*43-116*	02/18/14	02/24/14 22:03	*EPA 8270D/R3QA201*
Surrogate: 2,4,6-Tribromophenol	25.7		**52 %**	*10-123*	02/18/14	02/24/14 22:03	*EPA 8270D/R3QA201*
Surrogate: Terphenyl-d14	14.2		**58 %**	*33-141*	02/18/14	02/24/14 22:03	*EPA 8270D/R3QA201*

Volatile Organic Compounds

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Acetone	**6.8**	J	5.0	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Benzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Bromobenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Bromochloromethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Bromodichloromethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Bromoform	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Bromomethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
2-Butanone	U		5.0	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
sec-Butylbenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
tert-Butylbenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
n-Butylbenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Carbon disulfide	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Carbon Tetrachloride	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Chlorobenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Chlorodibromomethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Chloroethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
2-Chloroethylvinyl ether	U		1.0	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Chloroform	**0.8**	J	0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Chloromethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
2-Chlorotoluene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
4-Chlorotoluene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Cyclohexane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,2-Dibromo-3-chloropropane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,2-Dibromoethane (EDB)	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Dibromomethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,2-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,3-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,4-Dichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Dichlorodifluoromethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,1-Dichloroethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,2-Dichloroethane	**0.2**	J	0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB02
Lab ID: 1401014-16
Sample Matrix: Water
Date Collected: 02/08/2014

Volatile Organic Compounds
Targets (Continued)

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
1,1-Dichloroethene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
cis-1,2-Dichloroethene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
trans-1,2-Dichloroethene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,2-Dichloropropane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,3-Dichloropropane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
2,2-Dichloropropane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,1-Dichloropropene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
cis-1,3-Dichloropropene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
trans-1,3-Dichloropropene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Ethylbenzene	**0.1**	J	0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Freon 113	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Hexachlorobutadiene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
2-Hexanone	U		5.0	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Isopropylbenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
p-Isopropyltoluene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Methyl Acetate	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Methylcyclohexane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Methyl-tert-butyl ether	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Methylene Chloride	**3.7**	J	0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
4-Methyl-2-pentanone	U		5.0	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Naphthalene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
n-Propylbenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Styrene	U		1.0	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,1,2,2-Tetrachloroethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,1,1,2-Tetrachloroethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Tetrachloroethene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Toluene	**1.7**		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,2,3-Trichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,2,4-Trichlorobenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,1,1-Trichloroethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,1,2-Trichloroethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Trichloroethene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Trichlorofluoromethane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,2,3-Trichloropropane	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,2,4-Trimethylbenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
1,3,5-Trimethylbenzene	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Vinyl acetate	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
Vinyl chloride	U		0.5	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
m-Xylene/p-Xylene	**0.3**	J	1.0	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210
o-Xylene	**0.09**	J	1.0	1	02/12/14	02/12/14 16:26	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak
Project #: DAS R34317
Station ID: FB02
Lab ID: 1401014-16
Sample Matrix: Water
Date Collected: 02/08/2014

Volatile Organic Compounds

Surrogates

Analyte	Result ug/L	Flags Qualifiers	% Recovery	%Recovery Limits	Prepared	Analyzed	Method/SOP#
Surrogate: 4-Bromofluorobenzene	5.200		**104 %**	*86-115*	02/12/14	02/12/14 16:26	*CLP trace/R3QA210*
Surrogate: 1,2-Dichloroethane-d4	5.760	*A*	**115 %**	*76-114*	02/12/14	02/12/14 16:26	*CLP trace/R3QA210*
Surrogate: Toluene-d8	4.810		**96 %**	*88-110*	02/12/14	02/12/14 16:26	*CLP trace/R3QA210*

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-01					
Station ID:	CU					
Sample Matrix:	Surface Water					
Collected:	01/29/2014					
NA	unknown	2.06	T	4.79	02/06/14 11:38	EPA 8270D/R3QA201
3937-49-3	Cyclohexanemethanol, 4-methyl-, tr (01)	24.6	T	8.03	02/06/14 11:38	EPA 8270D/R3QA201
3937-49-3	Cyclohexanemethanol, 4-methyl-, tr (02)	13.9	T	8.34	02/06/14 11:38	EPA 8270D/R3QA201
57-10-3	n-Hexadecanoic acid	1.98	T	17.95	02/06/14 11:38	EPA 8270D/R3QA201
57-11-4	Octadecanoic acid	2.92	T	19.64	02/06/14 11:38	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-01					
Station ID:	CU					
Sample Matrix:	Surface Water					
Collected:	01/29/2014					
NA	None Detected	0.0			01/30/14 15:11	CLP trace/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-02					
Station ID:	CD					
Sample Matrix:	Surface Water					
Collected:	01/29/2014					
NA	unknown (01)	3.05	T	6.06	02/06/14 12:15	EPA 8270D/R3QA201
3937-49-3	Cyclohexanemethanol, 4-methyl-, tr	55.4	T	8.05	02/06/14 12:15	EPA 8270D/R3QA201
4331-54-8	Cyclohexanecarboxylic acid, 4-meth	3.73	T	9.67	02/06/14 12:15	EPA 8270D/R3QA201
29474-11-1	1-Hydroxymethyl-2-methyl-1-cyclohe	3.53	T	11.15	02/06/14 12:15	EPA 8270D/R3QA201
NA	unknown (02)	2.39	T	12.36	02/06/14 12:15	EPA 8270D/R3QA201
NA	unknown (03)	2.40	T	14.18	02/06/14 12:15	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-02					
Station ID:	CD					
Sample Matrix:	Surface Water					
Collected:	01/29/2014					
3937-49-3	Cyclohexanemethanol, 4-methyl-, trans-	0.6	T	13.24	01/30/14 15:39	CLP trace/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-03					
Station ID:	CD1					
Sample Matrix:	Surface Water					
Collected:	01/29/2014					
3937-49-3	Cyclohexanemethanol, 4-methyl-, tr	48.8	T	8.05	02/06/14 12:53	EPA 8270D/R3QA201
4331-54-8	Cyclohexanecarboxylic acid, 4-meth	2.85	T	9.67	02/06/14 12:53	EPA 8270D/R3QA201
29474-11-1	1-Hydroxymethyl-2-methyl-1-cyclohe	2.99	T	11.15	02/06/14 12:53	EPA 8270D/R3QA201
NA	unknown	2.31	T	14.18	02/06/14 12:53	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-03					
Station ID:	CD1					
Sample Matrix:	Surface Water					
Collected:	01/29/2014					
3937-49-3	Cyclohexanemethanol, 4-methyl-, trans-	0.6	T	13.24	01/30/14 16:07	CLP trace/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-04					
Station ID:	FB01					
Sample Matrix:	Water					
Collected:	01/29/2014					
90-05-1	Phenol, 2-methoxy-	5.85	T	8.45	02/06/14 13:30	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-04					
Station ID:	FB01					
Sample Matrix:	Water					
Collected:	01/29/2014					
60-29-7	Ethyl Ether	5.4	T	2.59	01/30/14 14:44	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-05					
Station ID:	TB01					
Sample Matrix:	Surface Water					
Collected:	01/28/2014					
60-29-7	Ethyl Ether	5.1	T	2.59	01/30/14 14:16	CLP trace/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-06					
Station ID:	Pipe-1					
Sample Matrix:	Water					
Collected:	01/31/2014					
100-49-2	Cyclohexanemethanol	2810	T	7.18	02/11/14 16:04	EPA 8270D/R3QA201
3937-49-3	Cyclohexanemethanol, 4-methyl-, trans-	82300	T	8.06	02/11/14 16:04	EPA 8270D/R3QA201
29474-11-1	1-Hydroxymethyl-2-methyl-1-cyclohe	10100	T	11.15	02/11/14 16:04	EPA 8270D/R3QA201
NA	unknown (01)	2550	T	11.30	02/11/14 16:04	EPA 8270D/R3QA201
NA	unknown (02)	2290	T	13.99	02/11/14 16:04	EPA 8270D/R3QA201
NA	unknown (03)	4240	T	14.18	02/11/14 16:04	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-06					
Station ID:	Pipe-1					
Sample Matrix:	Water					
Collected:	01/31/2014					
NA	unknown (01)	2.3	T	4.51	02/05/14 14:08	CLP low-mid/R3QA210
100-49-2	Cyclohexanemethanol	7.4	T	12.08	02/05/14 14:08	CLP low-mid/R3QA210
NA	unknown (02)	9.3	T	12.14	02/05/14 14:08	CLP low-mid/R3QA210
NA	unknown (03)	18.1	T	12.69	02/05/14 14:08	CLP low-mid/R3QA210
3937-49-3	Cyclohexanemethanol, 4-methyl-, trans-	743	T	12.79	02/05/14 14:08	CLP low-mid/R3QA210
3937-48-2	Cyclohexanemethanol, 4-methyl-, cis-	327	T	13.00	02/05/14 14:08	CLP low-mid/R3QA210
51181-40-9	Cyclohexanecarboxylic acid, 4-methyl-,methyl ester	117	T	13.34	02/05/14 14:08	CLP low-mid/R3QA210
NA	unknown (04)	28.1	T	13.43	02/05/14 14:08	CLP low-mid/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-07					
Station ID:	Seep-1					
Sample Matrix:	Groundwater					
Collected:	02/01/2014					
3937-49-3	Cyclohexanemethanol, 4-methyl-, tr (01)	4.19	T	8.02	02/11/14 16:41	EPA 8270D/R3QA201
3937-49-3	Cyclohexanemethanol, 4-methyl-, tr (02)	2.51	T	8.34	02/11/14 16:41	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-07					
Station ID:	Seep-1					
Sample Matrix:	Groundwater					
Collected:	02/01/2014					
NA	None Detected	0.0			02/06/14 12:37	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-08					
Station ID:	TB02					
Sample Matrix:	Water					
Collected:	01/31/2014					
60-29-7	Ethyl Ether	4.2	T	2.59	02/04/14 18:11	CLP trace/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-09					
Station ID:	MW-2					
Sample Matrix:	Groundwater					
Collected:	02/06/2014					
NA	unknown	3.01		12.40	02/24/14 17:00	EPA 8270D/R3QA201
57-10-3	n-Hexadecanoic acid	3.04		17.96	02/24/14 17:00	EPA 8270D/R3QA201
10544-50-0	Cyclic octaatomic sulfur	3.84		18.94	02/24/14 17:00	EPA 8270D/R3QA201
57-11-4	Octadecanoic acid	2.31		19.64	02/24/14 17:00	EPA 8270D/R3QA201
NA	unknown 2	7.97		20.71	02/24/14 17:00	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-09					
Station ID:	MW-2					
Sample Matrix:	Groundwater					
Collected:	02/06/2014					
NA	None Detected	0.0			02/12/14 16:53	CLP trace/R3QA210

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-10					
Station ID:	TB03					
Sample Matrix:	Water					
Collected:	02/03/2014					
60-29-7	Ethyl Ether	5.6	T	2.59	02/12/14 15:30	CLP trace/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-11					
Station ID:	TB04					
Sample Matrix:	Water					
Collected:	02/06/2014					
60-29-7	Ethyl Ether	6.1	T	2.58	02/12/14 15:58	CLP trace/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L H2	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-12					
Station ID:	MW-5					
Sample Matrix:	Groundwater					
Collected:	02/07/2014					
98-82-8	Benzene, (1-methylethyl)-	4.23		6.01	02/24/14 18:53	EPA 8270D/R3QA201
103-65-1	Benzene, propyl-	14.5		6.45	02/24/14 18:53	EPA 8270D/R3QA201
526-73-8	Benzene, 1,2,3-trimethyl-	65.2		7.07	02/24/14 18:53	EPA 8270D/R3QA201
496-11-7	Indane	13.7		7.68	02/24/14 18:53	EPA 8270D/R3QA201
141-93-5	Benzene, 1,3-diethyl-	5.58		7.87	02/24/14 18:53	EPA 8270D/R3QA201
NA	unknown	5.31		7.96	02/24/14 18:53	EPA 8270D/R3QA201
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	6.80		8.28	02/24/14 18:53	EPA 8270D/R3QA201
527-84-4	Benzene, 1-methyl-2-(1-methylethyl	4.49		8.30	02/24/14 18:53	EPA 8270D/R3QA201
527-53-7	Benzene, 1,2,3,5-tetramethyl-	8.09		8.83	02/24/14 18:53	EPA 8270D/R3QA201
488-23-3	Benzene, 1,2,3,4-tetramethyl-	10.0		8.90	02/24/14 18:53	EPA 8270D/R3QA201
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	4.58		9.16	02/24/14 18:53	EPA 8270D/R3QA201
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	8.95		9.31	02/24/14 18:53	EPA 8270D/R3QA201
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	4.40		9.34	02/24/14 18:53	EPA 8270D/R3QA201
20836-11-7	1H-Indene,2,3-dihydro-2,2-dimethyl	3.23		9.95	02/24/14 18:53	EPA 8270D/R3QA201
90-12-0	Naphthalene, 1-methyl-	4.25		11.44	02/24/14 18:53	EPA 8270D/R3QA201
581-40-8	Naphthalene, 2,3-dimethyl-	3.30		12.72	02/24/14 18:53	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-12					
Station ID:	MW-5					
Sample Matrix:	Groundwater					
Collected:	02/07/2014					
591-21-9	1,3-Dimethylcyclohexane,c&t	11.4	T	8.16	02/18/14 18:41	CLP low-mid/R3QA210
496-11-7	Indane	42.3	T	12.64	02/18/14 18:41	CLP low-mid/R3QA210
141-93-5	Benzene, 1,3-diethyl-	14.3	T	12.71	02/18/14 18:41	CLP low-mid/R3QA210
1758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	19.3	T	13.07	02/18/14 18:41	CLP low-mid/R3QA210
2870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	21.0	T	13.11	02/18/14 18:41	CLP low-mid/R3QA210
527-84-4	Benzene, 1-methyl-2-(1-methylethyl)-	69.0	T	13.16	02/18/14 18:41	CLP low-mid/R3QA210
488-23-3	Benzene, 1,2,3,4-tetramethyl-	29.2	T	13.56	02/18/14 18:41	CLP low-mid/R3QA210
527-53-7	Benzene, 1,2,3,5-tetramethyl-	38.8	T	13.59	02/18/14 18:41	CLP low-mid/R3QA210
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	20.4	T	13.73	02/18/14 18:41	CLP low-mid/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-12					
Station ID:	MW-5					
Sample Matrix:	Groundwater					
Collected:	02/07/2014					
2039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	31.8	T	13.84	02/18/14 18:41	CLP low-mid/R3QA210
95-93-2	Benzene, 1,2,4,5-tetramethyl-	23.0	T	13.91	02/18/14 18:41	CLP low-mid/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L H2	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-13					
Station ID:	MW-6					
Sample Matrix:	Groundwater					
Collected:	02/07/2014					
527-53-7	Benzene, 1,2,3,5-tetramethyl-	2.73		8.83	02/24/14 20:47	EPA 8270D/R3QA201
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	3.99		9.31	02/24/14 20:47	EPA 8270D/R3QA201
488-23-3	Benzene, 1,2,3,4-tetramethyl-	4.98		9.33	02/24/14 20:47	EPA 8270D/R3QA201
56253-64-6	Benzene, (2-methyl-1-butenyl)-	3.44		9.81	02/24/14 20:47	EPA 8270D/R3QA201
20836-11-7	1H-Indene,2,3-dihydro-2,2-dimethyl	2.78		9.96	02/24/14 20:47	EPA 8270D/R3QA201
90-12-0	Naphthalene, 1-methyl-	10.7		11.44	02/24/14 20:47	EPA 8270D/R3QA201
940-31-8	Propanoic acid, 2-phenoxy-	56.2		12.59	02/24/14 20:47	EPA 8270D/R3QA201
581-40-8	Naphthalene, 2,3-dimethyl-	4.92		12.73	02/24/14 20:47	EPA 8270D/R3QA201
581-42-0	Naphthalene, 2,6-dimethyl-	2.23		12.76	02/24/14 20:47	EPA 8270D/R3QA201
50-84-0	Benzoic acid, 2,4-dichloro-	6.11		13.81	02/24/14 20:47	EPA 8270D/R3QA201
NA	unknown	184		15.90	02/24/14 20:47	EPA 8270D/R3QA201
NA	unknown 2	57.4		16.14	02/24/14 20:47	EPA 8270D/R3QA201
NA	unknown 3	3.72		17.10	02/24/14 20:47	EPA 8270D/R3QA201
NA	unknown 4	4.90		20.81	02/24/14 20:47	EPA 8270D/R3QA201
4376-20-9	1,2-Benzenedicarboxylic acid, mono	161		23.33	02/24/14 20:47	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-13					
Station ID:	MW-6					
Sample Matrix:	Groundwater					
Collected:	02/07/2014					
79-29-8	Butane, 2,3-dimethyl-	15.9	T	3.06	02/18/14 19:34	CLP low-mid/R3QA210
565-59-3	Pentane, 2,3-dimethyl-	12.1	T	5.55	02/18/14 19:34	CLP low-mid/R3QA210
1638-26-2	Cyclopentane, 1,1-dimethyl-	12.6	T	5.64	02/18/14 19:34	CLP low-mid/R3QA210
2453-00-1	Cyclopentane, 1,3-dimethyl-	12.7	T	5.95	02/18/14 19:34	CLP low-mid/R3QA210
822-50-4	Cyclopentane, 1,2-dimethyl-, trans	13.3	T	6.01	02/18/14 19:34	CLP low-mid/R3QA210
591-21-9	1,3-Dimethylcyclohexane,c&t	45.0	T	8.16	02/18/14 19:34	CLP low-mid/R3QA210
590-66-9	Cyclohexane, 1,1-dimethyl-	12.2	T	8.32	02/18/14 19:34	CLP low-mid/R3QA210
6876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	15.7	T	8.58	02/18/14 19:34	CLP low-mid/R3QA210
2207-03-6	Cyclohexane, 1,3-dimethyl-, trans-	12.5	T	8.73	02/18/14 19:34	CLP low-mid/R3QA210
1678-91-7	Cyclohexane, ethyl-	12.5	T	9.34	02/18/14 19:34	CLP low-mid/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-13					
Station ID:	MW-6					
Sample Matrix:	Groundwater					
Collected:	02/07/2014					
2870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	26.5	T	13.16	02/18/14 19:34	CLP low-mid/R3QA210
488-23-3	Benzene, 1,2,3,4-tetramethyl-	12.9	T	13.56	02/18/14 19:34	CLP low-mid/R3QA210
874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	16.6	T	13.84	02/18/14 19:34	CLP low-mid/R3QA210
95-93-2	Benzene, 1,2,4,5-tetramethyl-	17.6	T	13.91	02/18/14 19:34	CLP low-mid/R3QA210

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L H2	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-14					
Station ID:	MW-3					
Sample Matrix:	Groundwater					
Collected:	02/08/2014					
NA	unknown	7.73		6.18	02/24/14 21:25	EPA 8270D/R3QA201
77	4,7-Methano-1H-indene, 3a,4,7,7a-t	2.96		7.54	02/24/14 21:25	EPA 8270D/R3QA201
NA	unknown 2	3.36		10.32	02/24/14 21:25	EPA 8270D/R3QA201
NA	unknown 3	4.62		10.40	02/24/14 21:25	EPA 8270D/R3QA201
NA	unknown 4	2.23		10.59	02/24/14 21:25	EPA 8270D/R3QA201
NA	unknown 5	2.63		14.01	02/24/14 21:25	EPA 8270D/R3QA201
NA	unknown 6	3.77		14.21	02/24/14 21:25	EPA 8270D/R3QA201
NA	unknown 7	4.33		15.70	02/24/14 21:25	EPA 8270D/R3QA201
NA	unknown 8	2.03		15.76	02/24/14 21:25	EPA 8270D/R3QA201
27554-26-3	1,2-Benzenedicarboxylic acid, diis	169		23.35	02/24/14 21:25	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-14					
Station ID:	MW-3					
Sample Matrix:	Groundwater					
Collected:	02/08/2014					
77-73-6	4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydro-	2.6	T	12.47	02/18/14 16:58	CLP low-mid/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L H2	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-15					
Station ID:	MW-4					
Sample Matrix:	Groundwater					
Collected:	02/08/2014					
83-33-0	1H-Inden-1-one, 2,3-dihydro-	74.9		11.07	02/24/14 22:41	EPA 8270D/R3QA201
35587-60-1	1-Methylindan-2-one	37.5		11.52	02/24/14 22:41	EPA 8270D/R3QA201
NA	unknown	30.0		12.58	02/24/14 22:41	EPA 8270D/R3QA201
NA	unknown 2	170		15.82	02/24/14 22:41	EPA 8270D/R3QA201
NA	unknown 3	66.4		16.08	02/24/14 22:41	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-15					
Station ID:	MW-4					
Sample Matrix:	Groundwater					
Collected:	02/08/2014					
96-37-7	Cyclopentane, methyl-	16.9	T	4.50	02/18/14 17:50	CLP low-mid/R3QA210
693-89-0	Cyclopentene, 1-methyl-	7.8	T	5.12	02/18/14 17:50	CLP low-mid/R3QA210
110-83-8	Cyclohexene	37.9	T	5.77	02/18/14 17:50	CLP low-mid/R3QA210
822-50-4	Cyclopentane, 1,2-dimethyl-, trans	10.8	T	6.01	02/18/14 17:50	CLP low-mid/R3QA210
7459-71-4	3,5-Dimethylcyclopentene	6.3	T	6.62	02/18/14 17:50	CLP low-mid/R3QA210
10574-37-5	2-Pentene, 2,3-dimethyl-	7.4	T	6.66	02/18/14 17:50	CLP low-mid/R3QA210
591-47-9	Cyclohexene, 4-methyl-	32.2	T	7.24	02/18/14 17:50	CLP low-mid/R3QA210
1528-22-9	Cyclobutane, (1-methylethylidene)-	16.6	T	7.56	02/18/14 17:50	CLP low-mid/R3QA210
591-49-1	Cyclohexene, 1-methyl-	22.3	T	7.93	02/18/14 17:50	CLP low-mid/R3QA210
590-66-9	Cyclohexane, 1,1-dimethyl-	4.2	T	8.32	02/18/14 17:50	CLP low-mid/R3QA210
6876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	5.3	T	8.58	02/18/14 17:50	CLP low-mid/R3QA210
3073-66-3	Cyclohexane, 1,1,3-trimethyl-	4.4	T	9.49	02/18/14 17:50	CLP low-mid/R3QA210
77-73-6	4,7-Methano-1H-indene, 3a,4,7,7a-tetrahydro-	25.4	T	12.47	02/18/14 17:50	CLP low-mid/R3QA210

Site Name: **West Virginia Chemical Leak** **Project #:** **DAS R34317**

Tentatively Identified Compound (TIC) Report

Semivolatile Organic Compounds

CAS Number	Compound	Result ug/L H2	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-16					
Station ID:	FB02					
Sample Matrix:	Water					
Collected:	02/08/2014					
90-05-1	Phenol, 2-methoxy-	8.81		8.46	02/24/14 22:03	EPA 8270D/R3QA201
82304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	2.45		17.72	02/24/14 22:03	EPA 8270D/R3QA201

Volatile Organic Compounds

CAS Number	Compound	Result ug/L	Analyte Qualifiers	Retention Time	Analyzed	Method/SOP#
Lab ID:	1401014-16					
Station ID:	FB02					
Sample Matrix:	Water					
Collected:	02/08/2014					
NA	None Detected	0.0			02/12/14 16:26	CLP trace/R3QA210

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
HPLC Identification

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BA43102 - HPLC prep										
Blank (BA43102-BLK1)				Prepared: 02/19/14 09:00		Analyzed: 02/19/14 13:16				
HPLC Identification	0.0		[blank]							C
Blank (BA43102-BLK2)				Prepared: 02/19/14 09:00		Analyzed: 02/19/14 20:09				
HPLC Identification	0.0		[blank]							C

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40301 - EPA 3520C SVOC										
Blank (BB40301-BLK1)				Prepared: 02/03/14 07:30	Analyzed: 02/05/14 17:04					
MCHM	U	0.500	ug/L							
PPH	U	0.500	"							
Acenaphthene	U	5.00	"							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	U	5.00	"							
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	10.0	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	U	5.00	"							
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	2.36	5.00	"							J
Di-n-butyl phthalate	0.700	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrophenol	U	5.00	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40301 - EPA 3520C SVOC										
Blank (BB40301-BLK1)				Prepared: 02/03/14 07:30		Analyzed: 02/06/14 10:23				
Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	20.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	10.0	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	10.0	"							
2,4,6-Trichlorophenol	U	10.0	"							
Decane, 3,3,4-trimethyl-	24.7		"							T
Cyclopentanone, 2-(1-methylpropyl)-	3.74		"							T
Cyclopentane, 1,1,3,3-tetramethyl-	3.64		"							T
Cyclohexane, 1-methyl-2-propyl- (02)	13.0		"							T
Cyclohexane, 1-methyl-2-propyl- (01)	3.96		"							T
Furan, 2,3-dihydro-4-methyl-	23.0		"							T
Ethanone, 1-(2,2-dimethylcyclopentyl)-	5.40		"							T
Ethanedioic acid, bis(3-methylbutyl) ester	2.79		"							T
1-Pentene, 3-ethyl-2-methyl-	2.45		"							T
2,3-Dimethyl-1-hexene	3.14		"							T
2-Butenal, 2-methyl-	2.66		"							T
2,3-Dimethyl-2-heptene	2.06		"							T
3-Ethyl-4-methyl-2-pentene	9.42		"							T
2-Pentenal, (E)-	4.32		"							T
Sulfurous acid, cyclohexylmethyl tridecyl este	2.40		"							T
Surrogate: 2-Fluorophenol	*43.1*		"	*50.000*		*86*	*21-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40301 - EPA 3520C SVOC										
Blank (BB40301-BLK1)				Prepared: 02/03/14 07:30		Analyzed: 02/06/14 10:23				
Surrogate: Phenol-d5	*44.4*		*ug/L*	*50.000*		*89*	*39-106*			
Surrogate: Nitrobenzene-d5	*20.1*		*"*	*25.000*		*80*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*20.0*		*"*	*25.000*		*80*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*42.5*		*"*	*50.000*		*85*	*10-123*			
Surrogate: Terphenyl-d14	*21.9*		*"*	*25.000*		*87*	*33-141*			
LCS (BB40301-BS1)				Prepared: 02/03/14 07:30		Analyzed: 02/05/14 17:55				
MCHM	4.40	0.500	ug/L	5.0000		88	30-160			
PPH	4.65	0.500	"	5.0000		93	30-160			
Acenaphthene	33.9	5.00	"	40.000		85	60-132			
Acenaphthylene	36.6	5.00	"	40.000		91	53-126			
Acetophenone	33.3	5.00	"	40.000		83	30-160			
Anthracene	33.5	5.00	"	40.000		84	43-118			
Atrazine	76.7	5.00	"	40.000		192	30-160			A
Benzaldehyde	28.9	5.00	"	40.000		72	30-160			
Benzo(a)anthracene	31.6	5.00	"	40.000		79	41-133			
Benzo(b)fluoranthene	34.3	5.00	"	40.000		86	42-140			
Benzo(k)fluoranthene	38.5	5.00	"	40.000		96	25-146			
Benzo(ghi)perylene	27.3	5.00	"	40.000		68	0.01-195			
Benzo(a)pyrene	38.0	5.00	"	40.000		95	31-148			
1,1-Biphenyl	33.8	5.00	"	40.000		85	30-160			
Bis(2-chloroethoxy)methane	31.2	5.00	"	40.000		78	49-165			
Bis(2-chloroethyl)ether	31.2	5.00	"	40.000		78	42-126			
Bis(2-chloroisopropyl)ether	26.8	5.00	"	40.000		67	62-139			
Bis(2-ethylhexyl)phthalate	28.5	5.00	"	40.000		71	28-137			
4-Bromophenyl phenyl ether	32.3	5.00	"	40.000		81	64-114			
Butyl benzyl phthalate	46.2	5.00	"	40.000		115	0.01-140			
Carbazole	71.9	5.00	"	40.000		180	30-160			A
Caprolactam	28.6	10.0	"	40.000		71	30-160			
4-Chloroaniline	24.5	5.00	"	40.000		61	30-160			
4-Chloro-3-methylphenol	33.5	5.00	"	40.000		84	40-128			
2-Chloronaphthalene	34.0	5.00	"	40.000		85	64-114			
2-Chlorophenol	33.7	5.00	"	40.000		84	36-121			
4-Chlorophenyl phenyl ether	34.5	5.00	"	40.000		86	38-145			
Chrysene	30.9	5.00	"	40.000		77	44-140			
Dibenz(a,h)anthracene	28.0	5.00	"	40.000		70	0.01-200			
Dibenzofuran	33.3	5.00	"	40.000		83	30-160			
3,3'-Dichlorobenzidine	25.7	5.00	"	40.000		64	8-213			
Diethyl phthalate	34.9	5.00	"	40.000		87	0.01-100			
2,4-Dichlorophenol	32.7	5.00	"	40.000		82	52-122			
2,4-Dimethylphenol	28.6	5.00	"	40.000		71	41-109			
Dimethyl phthalate	35.6	5.00	"	40.000		89	0.01-100			
Di-n-butyl phthalate	35.4	5.00	"	40.000		89	8-111			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40301 - EPA 3520C SVOC										
LCS (BB40301-BS1)				Prepared: 02/03/14 07:30		Analyzed: 02/06/14 11:01				
4,6-Dinitro-2-methylphenol	30.6	10.0	ug/L	40.000		77	53-100			
2,4-Dinitrophenol	16.8	5.00	"	40.000		42	0.01-173			
2,4-Dinitrotoluene	33.1	5.00	"	40.000		83	47-127			
2,6-Dinitrotoluene	34.1	5.00	"	40.000		85	68-138			
Di-n-octyl phthalate	37.7	5.00	"	40.000		94	18-132			
Fluoranthene	31.7	5.00	"	40.000		79	42-122			
Fluorene	33.9	5.00	"	40.000		85	71-109			
Hexachlorobenzene	32.4	5.00	"	40.000		81	10-142			
Hexachlorobutadiene	31.1	5.00	"	40.000		78	37-103			
Hexachlorocyclopentadiene	17.5	5.00	"	40.000		44	0.01-104			
Hexachloroethane	31.1	5.00	"	40.000		78	55-100			
Indeno(1,2,3-cd)pyrene	28.2	5.00	"	40.000		71	0.01-151			
Isophorone	31.9	5.00	"	40.000		80	46-181			
2-Methylnaphthalene	32.9	5.00	"	40.000		82	30-160			
2-Methylphenol	34.1	5.00	"	40.000		85	30-160			
4-Methylphenol	33.1	5.00	"	40.000		83	30-160			
Naphthalene	33.0	5.00	"	40.000		83	35-120			
2-Nitroaniline	34.3	5.00	"	40.000		86	30-160			
3-Nitroaniline	34.3	5.00	"	40.000		86	30-160			
4-Nitroaniline	28.6	5.00	"	40.000		72	30-160			
Nitrobenzene	30.7	5.00	"	40.000		77	54-158			
2-Nitrophenol	30.1	5.00	"	40.000		75	45-167			
4-Nitrophenol	32.5	20.0	"	40.000		81	13-107			
N-Nitrosodimethylamine	22.0	5.00	"	40.000		55	30-160			
N-Nitroso-di-n-propylamine	35.1	5.00	"	40.000		88	41-116			
N-Nitrosodiphenylamine	43.4	5.00	"	40.000		109	30-160			
Pentachlorophenol	30.6	5.00	"	40.000		77	9-103			
Phenanthrene	33.1	5.00	"	40.000		83	65-109			
Phenol	30.4	10.0	"	40.000		76	12-110			
Pyrene	36.3	5.00	"	40.000		91	69-100			
1,2,4,5-Tetrachlorobenzene	32.1	5.00	"	40.000		80	30-160			
2,3,4,6-Tetrachlorophenol	33.2	5.00	"	40.000		83	30-160			
2,4,5-Trichlorophenol	34.2	10.0	"	40.000		86	30-160			
2,4,6-Trichlorophenol	33.6	10.0	"	40.000		84	52-130			
Surrogate: 2-Fluorophenol	*41.1*		"	*50.000*		*82*	*21-110*			
Surrogate: Phenol-d5	*43.0*		"	*50.000*		*86*	*39-106*			
Surrogate: Nitrobenzene-d5	*20.8*		"	*25.000*		*83*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*21.7*		"	*25.000*		*87*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*44.2*		"	*50.000*		*88*	*10-123*			
Surrogate: Terphenyl-d14	*30.2*		"	*25.000*		*121*	*33-141*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40502 - EPA 3520C SVOC										
Blank (BB40502-BLK1)				Prepared: 02/05/14 13:07	Analyzed: 02/07/14 12:51					
MCHM	U	0.500	ug/L							
PPH	U	0.500	"							
Acenaphthene	U	5.00	"							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	U	5.00	"							
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	10.0	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	U	5.00	"							
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
Di-n-butyl phthalate	U	5.00	"							
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrophenol	U	5.00	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40502 - EPA 3520C SVOC										
Blank (BB40502-BLK1)				Prepared: 02/05/14 13:07	Analyzed: 02/11/14 14:49					
Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	20.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	10.0	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	10.0	"							
2,4,6-Trichlorophenol	U	10.0	"							
2,3-Dimethyl-1-hexene	3.33		"							T
2,3-Dimethyl-2-heptene	2.25		"							T
2,4,4-Trimethyl-1-hexene	3.20		"							T
2-Azafluorene	6.05		"							T
6-Hepten-3-one, 4-methyl-	2.26		"							T
2-Butenal, 3-methyl-	23.5		"							T
Cyclopentane, 1-ethyl-2-methyl-	2.46		"							T
Cyclopentane, 1,2,3,4,5-pentamethyl-	3.67		"							T
2-Nonene, 3-methyl-, (E)-	2.94		"							T
2H-Pyran, 3,4-dihydro-	3.98		"							T
Sulfurous acid, cyclohexylmethyl nonyl ester	13.5		"							T
Sulfurous acid, cyclohexylmethyl isohexyl este	4.31		"							T
Propanoic acid, 2-methyl-, 3-methylbutyl ester	24.4		"							T
Propanedinitrile, cyclohexyl(2-methylcyclohexy	2.30		"							T
Pentane, 2,3,4-trimethyl-	6.01		"							T

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40502 - EPA 3520C SVOC										
Blank (BB40502-BLK1)				Prepared: 02/05/14 13:07		Analyzed: 02/11/14 14:49				
Pentane, 3-methylene-	9.11		ug/L							T
Surrogate: 2-Fluorophenol	*42.6*		"	*50.000*		*85*	*21-110*			
Surrogate: Phenol-d5	*43.4*		"	*50.000*		*87*	*39-106*			
Surrogate: Nitrobenzene-d5	*19.5*		"	*25.000*		*78*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*19.7*		"	*25.000*		*79*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*38.7*		"	*50.000*		*77*	*10-123*			
Surrogate: Terphenyl-d14	*23.4*		"	*25.000*		*94*	*33-141*			
LCS (BB40502-BS1)				Prepared: 02/05/14 13:07		Analyzed: 02/07/14 13:42				
MCHM	4.83	0.500	ug/L	5.0000		97	30-160			
PPH	4.61	0.500	"	5.0000		92	30-160			
Acenaphthene	31.2	5.00	"	40.000		78	60-132			
Acenaphthylene	32.8	5.00	"	40.000		82	53-126			
Acetophenone	31.0	5.00	"	40.000		77	30-160			
Anthracene	30.7	5.00	"	40.000		77	43-118			
Atrazine	67.3	5.00	"	40.000		168	30-160			A
Benzaldehyde	31.1	5.00	"	40.000		78	30-160			
Benzo(a)anthracene	28.9	5.00	"	40.000		72	41-133			
Benzo(b)fluoranthene	31.3	5.00	"	40.000		78	42-140			
Benzo(k)fluoranthene	35.4	5.00	"	40.000		88	25-146			
Benzo(ghi)perylene	24.4	5.00	"	40.000		61	0.01-195			
Benzo(a)pyrene	34.2	5.00	"	40.000		86	31-148			
1,1-Biphenyl	31.2	5.00	"	40.000		78	30-160			
Bis(2-chloroethoxy)methane	28.6	5.00	"	40.000		71	49-165			
Bis(2-chloroethyl)ether	28.7	5.00	"	40.000		72	42-126			
Bis(2-chloroisopropyl)ether	24.1	5.00	"	40.000		60	62-139			A
Bis(2-ethylhexyl)phthalate	26.4	5.00	"	40.000		66	28-137			
4-Bromophenyl phenyl ether	29.8	5.00	"	40.000		74	64-114			
Butyl benzyl phthalate	31.1	5.00	"	40.000		78	0.01-140			
Carbazole	50.1	5.00	"	40.000		125	30-160			
Caprolactam	26.2	10.0	"	40.000		65	30-160			
4-Chloroaniline	22.6	5.00	"	40.000		56	30-160			
4-Chloro-3-methylphenol	30.2	5.00	"	40.000		76	40-128			
2-Chloronaphthalene	31.0	5.00	"	40.000		78	64-114			
2-Chlorophenol	31.4	5.00	"	40.000		79	36-121			
4-Chlorophenyl phenyl ether	32.0	5.00	"	40.000		80	38-145			
Chrysene	28.4	5.00	"	40.000		71	44-140			
Dibenz(a,h)anthracene	26.0	5.00	"	40.000		65	0.01-200			
Dibenzofuran	30.7	5.00	"	40.000		77	30-160			
3,3'-Dichlorobenzidine	23.1	5.00	"	40.000		58	8-213			
Diethyl phthalate	32.2	5.00	"	40.000		81	0.01-100			
2,4-Dichlorophenol	29.8	5.00	"	40.000		74	52-122			
2,4-Dimethylphenol	21.8	5.00	"	40.000		55	41-109			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40502 - EPA 3520C SVOC										
LCS (BB40502-BS1)				Prepared: 02/05/14 13:07		Analyzed: 02/11/14 15:26				
Dimethyl phthalate	32.8	5.00	ug/L	40.000		82	0.01-100			
Di-n-butyl phthalate	32.1	5.00	"	40.000		80	8-111			
4,6-Dinitro-2-methylphenol	28.8	10.0	"	40.000		72	53-100			
2,4-Dinitrophenol	16.4	5.00	"	40.000		41	0.01-173			
2,4-Dinitrotoluene	31.2	5.00	"	40.000		78	47-127			
2,6-Dinitrotoluene	31.6	5.00	"	40.000		79	68-138			
Di-n-octyl phthalate	36.1	5.00	"	40.000		90	18-132			
Fluoranthene	28.9	5.00	"	40.000		72	42-122			
Fluorene	31.1	5.00	"	40.000		78	71-109			
Hexachlorobenzene	29.6	5.00	"	40.000		74	10-142			
Hexachlorobutadiene	26.0	5.00	"	40.000		65	37-103			
Hexachlorocyclopentadiene	4.10	5.00	"	40.000		10	0.01-104			J
Hexachloroethane	25.1	5.00	"	40.000		63	55-100			
Indeno(1,2,3-cd)pyrene	25.5	5.00	"	40.000		64	0.01-151			
Isophorone	29.0	5.00	"	40.000		72	46-181			
2-Methylnaphthalene	29.5	5.00	"	40.000		74	30-160			
2-Methylphenol	31.2	5.00	"	40.000		78	30-160			
4-Methylphenol	30.6	5.00	"	40.000		77	30-160			
Naphthalene	28.3	5.00	"	40.000		71	35-120			
2-Nitroaniline	31.9	5.00	"	40.000		80	30-160			
3-Nitroaniline	31.9	5.00	"	40.000		80	30-160			
4-Nitroaniline	31.1	5.00	"	40.000		78	30-160			
Nitrobenzene	28.1	5.00	"	40.000		70	54-158			
2-Nitrophenol	27.7	5.00	"	40.000		69	45-167			
4-Nitrophenol	30.4	20.0	"	40.000		76	13-107			
N-Nitrosodimethylamine	20.8	5.00	"	40.000		52	30-160			
N-Nitroso-di-n-propylamine	31.8	5.00	"	40.000		80	41-116			
N-Nitrosodiphenylamine	38.0	5.00	"	40.000		95	30-160			
Pentachlorophenol	28.7	5.00	"	40.000		72	9-103			
Phenanthrene	30.1	5.00	"	40.000		75	65-109			
Phenol	28.3	10.0	"	40.000		71	12-110			
Pyrene	34.1	5.00	"	40.000		85	69-100			
1,2,4,5-Tetrachlorobenzene	29.1	5.00	"	40.000		73	30-160			
2,3,4,6-Tetrachlorophenol	31.1	5.00	"	40.000		78	30-160			
2,4,5-Trichlorophenol	31.7	10.0	"	40.000		79	30-160			
2,4,6-Trichlorophenol	30.9	10.0	"	40.000		77	52-130			
Surrogate: 2-Fluorophenol	*37.8*		"	*50.000*		*76*	*21-110*			
Surrogate: Phenol-d5	*40.0*		"	*50.000*		*80*	*39-106*			
Surrogate: Nitrobenzene-d5	*18.9*		"	*25.000*		*75*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*19.8*		"	*25.000*		*79*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*40.6*		"	*50.000*		*81*	*10-123*			
Surrogate: Terphenyl-d14	*20.4*		"	*25.000*		*82*	*33-141*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41002 - EPA 3520C SVOC										
Blank (BB41002-BLK1)				Prepared: 02/10/14 10:14	Analyzed: 02/21/14 14:08					
MCHM	1.16	5.00	ug/L							J
PPH	U	0.500	"							
Acenaphthene	U	5.00	"							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	U	5.00	"							
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	10.0	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	U	5.00	"							
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
Di-n-butyl phthalate	0.910	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrophenol	U	5.00	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41002 - EPA 3520C SVOC										
Blank (BB41002-BLK1)				Prepared: 02/10/14 10:14		Analyzed: 02/24/14 15:45				
Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	20.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	10.0	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	10.0	"							
2,4,6-Trichlorophenol	U	10.0	"							
Cyclohexane, 1-methyl-2-propyl-	6.01		"							T
Pentane, 2,3,4-trimethyl- (02)	2.91		"							T
Pentane, 2,3,4-trimethyl- (01)	11.5		"							T
2-Pentene, 3-methyl-, (E)-	4.32		"							T
2-Pentenal, (E)-	10.4		"							T
Surrogate: 2-Fluorophenol	*31.2*		"	*50.000*		*62*	*21-110*			
Surrogate: Phenol-d5	*31.7*		"	*50.000*		*63*	*39-106*			
Surrogate: Nitrobenzene-d5	*14.1*		"	*25.000*		*57*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*14.7*		"	*25.000*		*59*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*28.8*		"	*50.000*		*58*	*10-123*			
Surrogate: Terphenyl-d14	*18.4*		"	*25.000*		*74*	*33-141*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41002 - EPA 3520C SVOC										
LCS (BB41002-BS1)				Prepared: 02/10/14 10:14		Analyzed: 02/21/14 14:58				
MCHM	5.52	5.00	ug/L	5.0000		110	30-160			
PPH	3.88	0.500	"	5.0000		78	30-160			
Acenaphthene	24.4	5.00	"	40.000		61	60-132			
Acenaphthylene	26.0	5.00	"	40.000		65	53-126			
Acetophenone	24.6	5.00	"	40.000		62	30-160			
Anthracene	23.8	5.00	"	40.000		59	43-118			
Atrazine	55.4	5.00	"	40.000		139	30-160			
Benzaldehyde	30.0	5.00	"	40.000		75	30-160			
Benzo(a)anthracene	22.4	5.00	"	40.000		56	41-133			
Benzo(b)fluoranthene	25.2	5.00	"	40.000		63	42-140			
Benzo(k)fluoranthene	28.3	5.00	"	40.000		71	25-146			
Benzo(ghi)perylene	19.2	5.00	"	40.000		48	0.01-195			
Benzo(a)pyrene	25.3	5.00	"	40.000		63	31-148			
1,1-Biphenyl	24.7	5.00	"	40.000		62	30-160			
Bis(2-chloroethoxy)methane	22.3	5.00	"	40.000		56	49-165			
Bis(2-chloroethyl)ether	23.2	5.00	"	40.000		58	42-126			
Bis(2-chloroisopropyl)ether	19.2	5.00	"	40.000		48	62-139			A
Bis(2-ethylhexyl)phthalate	20.5	5.00	"	40.000		51	28-137			
4-Bromophenyl phenyl ether	23.0	5.00	"	40.000		57	64-114			A
Butyl benzyl phthalate	24.7	5.00	"	40.000		62	0.01-140			
Carbazole	58.9	5.00	"	40.000		147	30-160			
Caprolactam	21.3	10.0	"	40.000		53	30-160			
4-Chloroaniline	19.2	5.00	"	40.000		48	30-160			
4-Chloro-3-methylphenol	23.9	5.00	"	40.000		60	40-128			
2-Chloronaphthalene	25.0	5.00	"	40.000		62	64-114			A
2-Chlorophenol	25.4	5.00	"	40.000		63	36-121			
4-Chlorophenyl phenyl ether	24.7	5.00	"	40.000		62	38-145			
Chrysene	22.0	5.00	"	40.000		55	44-140			
Dibenz(a,h)anthracene	19.9	5.00	"	40.000		50	0.01-200			
Dibenzofuran	24.1	5.00	"	40.000		60	30-160			
3,3'-Dichlorobenzidine	21.1	5.00	"	40.000		53	8-213			
Diethyl phthalate	25.1	5.00	"	40.000		63	0.01-100			
2,4-Dichlorophenol	23.7	5.00	"	40.000		59	52-122			
2,4-Dimethylphenol	20.0	5.00	"	40.000		50	41-109			
Dimethyl phthalate	25.5	5.00	"	40.000		64	0.01-100			
Di-n-butyl phthalate	25.2	5.00	"	40.000		63	8-111			
4,6-Dinitro-2-methylphenol	20.6	10.0	"	40.000		51	53-100			A
2,4-Dinitrophenol	14.2	5.00	"	40.000		36	0.01-173			
2,4-Dinitrotoluene	24.1	5.00	"	40.000		60	47-127			
2,6-Dinitrotoluene	24.8	5.00	"	40.000		62	68-138			A
Di-n-octyl phthalate	28.8	5.00	"	40.000		72	18-132			
Fluoranthene	22.7	5.00	"	40.000		57	42-122			
Fluorene	24.4	5.00	"	40.000		61	71-109			A

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41002 - EPA 3520C SVOC										
LCS (BB41002-BS1)				Prepared: 02/10/14 10:14		Analyzed: 02/24/14 16:22				
Hexachlorobenzene	23.0	5.00	ug/L	40.000		57	10-142			
Hexachlorobutadiene	24.0	5.00	"	40.000		60	37-103			
Hexachlorocyclopentadiene	6.71	5.00	"	40.000		17	0.01-104			
Hexachloroethane	24.8	5.00	"	40.000		62	55-100			
Indeno(1,2,3-cd)pyrene	19.8	5.00	"	40.000		50	0.01-151			
Isophorone	22.6	5.00	"	40.000		56	46-181			
2-Methylnaphthalene	24.2	5.00	"	40.000		61	30-160			
2-Methylphenol	25.3	5.00	"	40.000		63	30-160			
4-Methylphenol	24.7	5.00	"	40.000		62	30-160			
Naphthalene	24.4	5.00	"	40.000		61	35-120			
2-Nitroaniline	25.2	5.00	"	40.000		63	30-160			
3-Nitroaniline	25.2	5.00	"	40.000		63	30-160			
4-Nitroaniline	31.2	5.00	"	40.000		78	30-160			
Nitrobenzene	22.3	5.00	"	40.000		56	54-158			
2-Nitrophenol	22.1	5.00	"	40.000		55	45-167			
4-Nitrophenol	23.7	20.0	"	40.000		59	13-107			
N-Nitrosodimethylamine	17.0	5.00	"	40.000		42	30-160			
N-Nitroso-di-n-propylamine	25.3	5.00	"	40.000		63	41-116			
N-Nitrosodiphenylamine	30.1	5.00	"	40.000		75	30-160			
Pentachlorophenol	21.5	5.00	"	40.000		54	9-103			
Phenanthrene	23.6	5.00	"	40.000		59	65-109			A
Phenol	22.6	10.0	"	40.000		57	12-110			
Pyrene	27.9	5.00	"	40.000		70	69-100			
1,2,4,5-Tetrachlorobenzene	23.9	5.00	"	40.000		60	30-160			
2,3,4,6-Tetrachlorophenol	24.0	5.00	"	40.000		60	30-160			
2,4,5-Trichlorophenol	24.8	10.0	"	40.000		62	30-160			
2,4,6-Trichlorophenol	24.1	10.0	"	40.000		60	52-130			
Surrogate: 2-Fluorophenol	*30.7*		"	*50.000*		*61*	*21-110*			
Surrogate: Phenol-d5	*32.0*		"	*50.000*		*64*	*39-106*			
Surrogate: Nitrobenzene-d5	*14.9*		"	*25.000*		*60*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*15.7*		"	*25.000*		*63*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*31.6*		"	*50.000*		*63*	*10-123*			
Surrogate: Terphenyl-d14	*16.7*		"	*25.000*		*67*	*33-141*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41801 - EPA 3520C SVOC										
Blank (BB41801-BLK1)				Prepared: 02/18/14 07:52	Analyzed: 02/21/14 16:38					
MCHM	1.34	5.00	ug/L							J
PPH	U	0.500	"							
Acenaphthene	U	5.00	"							
Acenaphthylene	U	5.00	"							
Acetophenone	U	5.00	"							
Anthracene	U	5.00	"							
Atrazine	U	5.00	"							
Benzaldehyde	U	5.00	"							
Benzo(a)anthracene	U	5.00	"							
Benzo(b)fluoranthene	U	5.00	"							
Benzo(k)fluoranthene	U	5.00	"							
Benzo(ghi)perylene	U	5.00	"							
Benzo(a)pyrene	U	5.00	"							
1,1-Biphenyl	U	5.00	"							
Bis(2-chloroethoxy)methane	U	5.00	"							
Bis(2-chloroethyl)ether	U	5.00	"							
Bis(2-chloroisopropyl)ether	U	5.00	"							
Bis(2-ethylhexyl)phthalate	U	5.00	"							
4-Bromophenyl phenyl ether	U	5.00	"							
Butyl benzyl phthalate	U	5.00	"							
Carbazole	U	5.00	"							
Caprolactam	U	10.0	"							
4-Chloroaniline	U	5.00	"							
4-Chloro-3-methylphenol	U	5.00	"							
2-Chloronaphthalene	U	5.00	"							
2-Chlorophenol	U	5.00	"							
4-Chlorophenyl phenyl ether	U	5.00	"							
Chrysene	U	5.00	"							
Dibenz(a,h)anthracene	U	5.00	"							
Dibenzofuran	U	5.00	"							
3,3'-Dichlorobenzidine	U	5.00	"							
Diethyl phthalate	U	5.00	"							
2,4-Dichlorophenol	U	5.00	"							
2,4-Dimethylphenol	U	5.00	"							
Dimethyl phthalate	U	5.00	"							
Di-n-butyl phthalate	0.640	5.00	"							J
4,6-Dinitro-2-methylphenol	U	10.0	"							
2,4-Dinitrophenol	U	5.00	"							
2,4-Dinitrotoluene	U	5.00	"							
2,6-Dinitrotoluene	U	5.00	"							
Di-n-octyl phthalate	U	5.00	"							
Fluoranthene	U	5.00	"							
Fluorene	U	5.00	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41801 - EPA 3520C SVOC										
Blank (BB41801-BLK1)				Prepared: 02/18/14 07:52		Analyzed: 02/24/14 17:37				
Hexachlorobenzene	U	5.00	ug/L							
Hexachlorobutadiene	U	5.00	"							
Hexachlorocyclopentadiene	U	5.00	"							
Hexachloroethane	U	5.00	"							
Indeno(1,2,3-cd)pyrene	U	5.00	"							
Isophorone	U	5.00	"							
2-Methylnaphthalene	U	5.00	"							
2-Methylphenol	U	5.00	"							
4-Methylphenol	U	5.00	"							
Naphthalene	U	5.00	"							
2-Nitroaniline	U	5.00	"							
3-Nitroaniline	U	5.00	"							
4-Nitroaniline	U	5.00	"							
Nitrobenzene	U	5.00	"							
2-Nitrophenol	U	5.00	"							
4-Nitrophenol	U	20.0	"							
N-Nitrosodimethylamine	U	5.00	"							
N-Nitroso-di-n-propylamine	U	5.00	"							
N-Nitrosodiphenylamine	U	5.00	"							
Pentachlorophenol	U	5.00	"							
Phenanthrene	U	5.00	"							
Phenol	U	10.0	"							
Pyrene	U	5.00	"							
1,2,4,5-Tetrachlorobenzene	U	5.00	"							
2,3,4,6-Tetrachlorophenol	U	5.00	"							
2,4,5-Trichlorophenol	U	10.0	"							
2,4,6-Trichlorophenol	U	10.0	"							
Cyclohexane, 1-methyl-3-propyl-	2.17		"							T
Cyclopentane, 1,2,3,4,5-pentamethyl-	2.45		"							T
Cyclohexane, (1,2,2-trimethylbutyl)-	13.1		"							T
Furan, 2,3-dihydro-4-methyl-	12.6		"							T
Sulfurous acid, cyclohexylmethyl nonyl ester	7.96		"							T
2,3,3-Trimethyl-1-hexene	2.30		"							T
2,4,4-Trimethyl-1-hexene	3.19		"							T
3-Ethyl-4-methyl-2-pentene	5.06		"							T
Surrogate: 2-Fluorophenol	*25.1*		"	*50.000*		*50*	*21-110*			
Surrogate: Phenol-d5	*26.2*		"	*50.000*		*52*	*39-106*			
Surrogate: Nitrobenzene-d5	*11.6*		"	*25.000*		*46*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*12.2*		"	*25.000*		*49*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*24.7*		"	*50.000*		*49*	*10-123*			
Surrogate: Terphenyl-d14	*15.1*		"	*25.000*		*60*	*33-141*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41801 - EPA 3520C SVOC										
LCS (BB41801-BS1)				Prepared: 02/18/14 07:52		Analyzed: 02/21/14 17:28				
MCHM	5.22	5.00	ug/L	5.0000		104	30-160			
PPH	3.66	0.500	"	5.0000		73	30-160			
Acenaphthene	21.2	5.00	"	40.000		53	60-132			A
Acenaphthylene	22.6	5.00	"	40.000		56	53-126			
Acetophenone	21.4	5.00	"	40.000		54	30-160			
Anthracene	20.6	5.00	"	40.000		52	43-118			
Atrazine	47.4	5.00	"	40.000		119	30-160			
Benzaldehyde	20.2	5.00	"	40.000		51	30-160			
Benzo(a)anthracene	19.5	5.00	"	40.000		49	41-133			
Benzo(b)fluoranthene	21.3	5.00	"	40.000		53	42-140			
Benzo(k)fluoranthene	24.4	5.00	"	40.000		61	25-146			
Benzo(ghi)perylene	17.0	5.00	"	40.000		42	0.01-195			
Benzo(a)pyrene	21.4	5.00	"	40.000		53	31-148			
1,1-Biphenyl	21.3	5.00	"	40.000		53	30-160			
Bis(2-chloroethoxy)methane	19.4	5.00	"	40.000		48	49-165			A
Bis(2-chloroethyl)ether	19.6	5.00	"	40.000		49	42-126			
Bis(2-chloroisopropyl)ether	16.3	5.00	"	40.000		41	62-139			A
Bis(2-ethylhexyl)phthalate	17.8	5.00	"	40.000		45	28-137			
4-Bromophenyl phenyl ether	19.8	5.00	"	40.000		50	64-114			A
Butyl benzyl phthalate	21.3	5.00	"	40.000		53	0.01-140			
Carbazole	49.8	5.00	"	40.000		124	30-160			
Caprolactam	19.3	10.0	"	40.000		48	30-160			
4-Chloroaniline	14.6	5.00	"	40.000		36	30-160			
4-Chloro-3-methylphenol	20.7	5.00	"	40.000		52	40-128			
2-Chloronaphthalene	21.5	5.00	"	40.000		54	64-114			A
2-Chlorophenol	21.8	5.00	"	40.000		54	36-121			
4-Chlorophenyl phenyl ether	21.5	5.00	"	40.000		54	38-145			
Chrysene	19.3	5.00	"	40.000		48	44-140			
Dibenz(a,h)anthracene	18.2	5.00	"	40.000		45	0.01-200			
Dibenzofuran	21.0	5.00	"	40.000		52	30-160			
3,3'-Dichlorobenzidine	17.3	5.00	"	40.000		43	8-213			
Diethyl phthalate	21.5	5.00	"	40.000		54	0.01-100			
2,4-Dichlorophenol	20.8	5.00	"	40.000		52	52-122			
2,4-Dimethylphenol	16.1	5.00	"	40.000		40	41-109			A
Dimethyl phthalate	21.9	5.00	"	40.000		55	0.01-100			
Di-n-butyl phthalate	21.7	5.00	"	40.000		54	8-111			
4,6-Dinitro-2-methylphenol	18.4	10.0	"	40.000		46	53-100			A
2,4-Dinitrophenol	11.5	5.00	"	40.000		29	0.01-173			
2,4-Dinitrotoluene	20.9	5.00	"	40.000		52	47-127			
2,6-Dinitrotoluene	21.5	5.00	"	40.000		54	68-138			A
Di-n-octyl phthalate	24.5	5.00	"	40.000		61	18-132			
Fluoranthene	19.3	5.00	"	40.000		48	42-122			
Fluorene	21.3	5.00	"	40.000		53	71-109			A

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41801 - EPA 3520C SVOC										
LCS (BB41801-BS1)				Prepared: 02/18/14 07:52		Analyzed: 02/24/14 18:15				
Hexachlorobenzene	20.0	5.00	ug/L	40.000		50	10-142			
Hexachlorobutadiene	19.8	5.00	"	40.000		50	37-103			
Hexachlorocyclopentadiene	2.83	5.00	"	40.000		7	0.01-104			J
Hexachloroethane	20.5	5.00	"	40.000		51	55-100			A
Indeno(1,2,3-cd)pyrene	17.7	5.00	"	40.000		44	0.01-151			
Isophorone	19.6	5.00	"	40.000		49	46-181			
2-Methylnaphthalene	21.0	5.00	"	40.000		52	30-160			
2-Methylphenol	22.0	5.00	"	40.000		55	30-160			
4-Methylphenol	21.6	5.00	"	40.000		54	30-160			
Naphthalene	20.7	5.00	"	40.000		52	35-120			
2-Nitroaniline	21.8	5.00	"	40.000		54	30-160			
3-Nitroaniline	21.8	5.00	"	40.000		54	30-160			
4-Nitroaniline	24.8	5.00	"	40.000		62	30-160			
Nitrobenzene	18.8	5.00	"	40.000		47	54-158			A
2-Nitrophenol	19.0	5.00	"	40.000		47	45-167			
4-Nitrophenol	20.5	20.0	"	40.000		51	13-107			
N-Nitrosodimethylamine	14.3	5.00	"	40.000		36	30-160			
N-Nitroso-di-n-propylamine	22.3	5.00	"	40.000		56	41-116			
N-Nitrosodiphenylamine	26.0	5.00	"	40.000		65	30-160			
Pentachlorophenol	18.5	5.00	"	40.000		46	9-103			
Phenanthrene	20.2	5.00	"	40.000		51	65-109			A
Phenol	19.6	10.0	"	40.000		49	12-110			
Pyrene	23.7	5.00	"	40.000		59	69-100			A
1,2,4,5-Tetrachlorobenzene	20.5	5.00	"	40.000		51	30-160			
2,3,4,6-Tetrachlorophenol	20.7	5.00	"	40.000		52	30-160			
2,4,5-Trichlorophenol	21.5	10.0	"	40.000		54	30-160			
2,4,6-Trichlorophenol	21.0	10.0	"	40.000		52	52-130			
Surrogate: 2-Fluorophenol	*27.1*		"	*50.000*		*54*	*21-110*			
Surrogate: Phenol-d5	*28.1*		"	*50.000*		*56*	*39-106*			
Surrogate: Nitrobenzene-d5	*13.0*		"	*25.000*		*52*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*13.7*		"	*25.000*		*55*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*27.4*		"	*50.000*		*55*	*10-123*			
Surrogate: Terphenyl-d14	*14.5*		"	*25.000*		*58*	*33-141*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41801 - EPA 3520C SVOC										
Matrix Spike (BB41801-MS1)	**Source: 1401014-12**			Prepared: 02/18/14 07:52		Analyzed: 02/21/14 19:08				
MCHM	6.10	5.15	ug/L	5.1546	0.00	118	30-160			
PPH	4.16	0.515	"	5.1546	0.00	81	30-160			
Acenaphthene	20.1	5.15	"	41.237	0.00	49	47-145			
Acenaphthylene	21.8	5.15	"	41.237	0.00	53	33-145			
Acetophenone	23.9	5.15	"	41.237	0.00	58	30-160			
Anthracene	19.2	5.15	"	41.237	0.00	46	27-133			
Atrazine	39.4	5.15	"	41.237	0.00	95	30-160			
Benzaldehyde	11.7	5.15	"	41.237	0.00	28	30-160			A
Benzo(a)anthracene	17.6	5.15	"	41.237	0.00	43	33-143			
Benzo(b)fluoranthene	20.1	5.15	"	41.237	0.00	49	24-159			
Benzo(k)fluoranthene	20.2	5.15	"	41.237	0.00	49	11-162			
Benzo(ghi)perylene	17.9	5.15	"	41.237	0.00	43	0.01-219			
Benzo(a)pyrene	20.2	5.15	"	41.237	0.00	49	17-163			
1,1-Biphenyl	20.2	5.15	"	41.237	0.00	49	30-160			
Bis(2-chloroethoxy)methane	18.4	5.15	"	41.237	0.00	45	33-184			
Bis(2-chloroethyl)ether	18.8	5.15	"	41.237	0.00	46	12-158			
Bis(2-chloroisopropyl)ether	15.2	5.15	"	41.237	0.00	37	36-166			
Bis(2-ethylhexyl)phthalate	16.9	5.15	"	41.237	0.00	41	8-158			
4-Bromophenyl phenyl ether	18.3	5.15	"	41.237	0.00	44	53-127			A
Butyl benzyl phthalate	18.7	5.15	"	41.237	0.00	45	0.01-152			
Carbazole	58.7	5.15	"	41.237	0.00	142	30-160			
Caprolactam	9.64	10.3	"	41.237	0.00	23	30-160			A, J
4-Chloroaniline	9.73	5.15	"	41.237	0.00	24	30-160			A
4-Chloro-3-methylphenol	19.9	5.15	"	41.237	0.00	48	22-147			
2-Chloronaphthalene	20.2	5.15	"	41.237	0.00	49	60-118			A
2-Chlorophenol	21.4	5.15	"	41.237	0.00	52	23-134			
4-Chlorophenyl phenyl ether	20.2	5.15	"	41.237	0.00	49	25-158			
Chrysene	17.4	5.15	"	41.237	0.00	42	17-168			
Dibenz(a,h)anthracene	18.8	5.15	"	41.237	0.00	46	0.01-227			
Dibenzofuran	20.1	5.15	"	41.237	0.00	49	30-160			
3,3'-Dichlorobenzidine	0.526	5.15	"	41.237	0.00	1	0.01-262			J
Diethyl phthalate	19.8	5.15	"	41.237	0.00	48	0.01-114			
2,4-Dichlorophenol	20.3	5.15	"	41.237	0.00	49	39-135			
2,4-Dimethylphenol	21.3	5.15	"	41.237	0.00	52	32-119			
Dimethyl phthalate	20.3	5.15	"	41.237	0.00	49	0.01-112			
Di-n-butyl phthalate	19.1	5.15	"	41.237	0.00	46	1-118			
4,6-Dinitro-2-methylphenol	16.5	10.3	"	41.237	0.00	40	0.01-181			
2,4-Dinitrophenol	7.47	5.15	"	41.237	0.00	18	0.01-191			
2,4-Dinitrotoluene	19.5	5.15	"	41.237	0.00	47	39-139			
2,6-Dinitrotoluene	18.3	5.15	"	41.237	0.00	44	50-158			A
Di-n-octyl phthalate	22.6	5.15	"	41.237	0.00	55	4-146			
Fluoranthene	17.5	5.15	"	41.237	0.00	43	26-137			
Fluorene	20.3	5.15	"	41.237	0.00	49	59-121			A

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41801 - EPA 3520C SVOC										
Matrix Spike (BB41801-MS1)		**Source: 1401014-12**		Prepared: 02/18/14 07:52		Analyzed: 02/24/14 19:31				
Hexachlorobenzene	17.9	5.15	ug/L	41.237	0.00	43	0.01-152			
Hexachlorobutadiene	18.4	5.15	"	41.237	0.00	45	24-116			
Hexachlorocyclopentadiene	2.25	5.15	"	41.237	0.00	5	0.01-111			J
Hexachloroethane	19.4	5.15	"	41.237	0.00	47	40-113			
Indeno(1,2,3-cd)pyrene	19.0	5.15	"	41.237	0.00	46	0.01-171			
Isophorone	18.1	5.15	"	41.237	0.00	44	21-196			
2-Methylnaphthalene	23.0	5.15	"	41.237	3.09	48	30-160			
2-Methylphenol	22.0	5.15	"	41.237	0.00	53	30-160			
4-Methylphenol	22.6	5.15	"	41.237	0.788	53	30-160			
Naphthalene	24.5	5.15	"	41.237	4.77	48	21-133			
2-Nitroaniline	20.5	5.15	"	41.237	0.00	50	30-160			
3-Nitroaniline	20.5	5.15	"	41.237	0.00	50	30-160			
4-Nitroaniline	1.16	5.15	"	41.237	0.00	3	30-160			A, J
Nitrobenzene	20.0	5.15	"	41.237	0.00	48	35-180			
2-Nitrophenol	17.8	5.15	"	41.237	0.00	43	29-182			
4-Nitrophenol	21.0	20.6	"	41.237	0.00	51	0.1-132			
N-Nitrosodimethylamine	13.7	5.15	"	41.237	0.00	33	30-160			
N-Nitroso-di-n-propylamine	21.0	5.15	"	41.237	0.00	51	0.01-230			
N-Nitrosodiphenylamine	25.3	5.15	"	41.237	0.00	61	30-160			
Pentachlorophenol	19.4	5.15	"	41.237	0.00	47	14-176			
Phenanthrene	19.1	5.15	"	41.237	0.00	46	54-120			A
Phenol	19.7	10.3	"	41.237	0.00	48	5-112			
Pyrene	22.0	5.15	"	41.237	0.00	53	52-115			
1,2,4,5-Tetrachlorobenzene	19.3	5.15	"	41.237	0.00	47	30-160			
2,3,4,6-Tetrachlorophenol	20.3	5.15	"	41.237	0.00	49	30-160			
2,4,5-Trichlorophenol	20.2	10.3	"	41.237	0.00	49	30-160			
2,4,6-Trichlorophenol	20.8	10.3	"	41.237	0.00	50	37-144			
Surrogate: 2-Fluorophenol	*25.0*		*"*	*51.546*		*48*	*21-110*			
Surrogate: Phenol-d5	*28.0*		*"*	*51.546*		*54*	*39-106*			
Surrogate: Nitrobenzene-d5	*12.1*		*"*	*25.773*		*47*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*12.9*		*"*	*25.773*		*50*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*26.4*		*"*	*51.546*		*51*	*10-123*			
Surrogate: Terphenyl-d14	*13.2*		*"*	*25.773*		*51*	*33-141*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41801 - EPA 3520C SVOC										
Matrix Spike Dup (BB41801-MSD1)	**Source: 1401014-12**			Prepared: 02/18/14 07:52		Analyzed: 02/21/14 19:58				
MCHM	7.49	5.00	ug/L	5.0000	0.00	150	30-160	24	25	
PPH	4.42	0.500	"	5.0000	0.00	88	30-160	9	25	
Acenaphthene	10.4	5.00	"	20.000	0.00	52	47-145	6	25	
Acenaphthylene	11.2	5.00	"	20.000	0.00	56	33-145	6	25	
Acetophenone	14.7	5.00	"	20.000	0.00	74	30-160	24	25	
Anthracene	9.70	5.00	"	20.000	0.00	48	27-133	4	25	
Atrazine	22.3	5.00	"	20.000	0.00	112	30-160	16	25	
Benzaldehyde	7.32	5.00	"	20.000	0.00	37	30-160	25	25	
Benzo(a)anthracene	8.89	5.00	"	20.000	0.00	44	33-143	4	25	
Benzo(b)fluoranthene	9.42	5.00	"	20.000	0.00	47	24-159	3	25	
Benzo(k)fluoranthene	11.0	5.00	"	20.000	0.00	55	11-162	11	25	
Benzo(ghi)perylene	9.70	5.00	"	20.000	0.00	48	0.01-219	11	25	
Benzo(a)pyrene	10.2	5.00	"	20.000	0.00	51	17-163	4	25	
1,1-Biphenyl	10.5	5.00	"	20.000	0.00	52	30-160	7	25	
Bis(2-chloroethoxy)methane	9.80	5.00	"	20.000	0.00	49	33-184	9	25	
Bis(2-chloroethyl)ether	10.3	5.00	"	20.000	0.00	52	12-158	12	25	
Bis(2-chloroisopropyl)ether	8.51	5.00	"	20.000	0.00	43	36-166	14	25	
Bis(2-ethylhexyl)phthalate	9.46	5.00	"	20.000	0.00	47	8-158	15	25	
4-Bromophenyl phenyl ether	9.49	5.00	"	20.000	0.00	47	53-127	7	25	A
Butyl benzyl phthalate	10.0	5.00	"	20.000	0.00	50	0.01-152	10	25	
Carbazole	30.4	5.00	"	20.000	0.00	152	30-160	6	25	
Caprolactam	11.5	10.0	"	20.000	0.00	57	30-160	84	25	A
4-Chloroaniline	1.80	5.00	"	20.000	0.00	9	30-160	90	25	A, J
4-Chloro-3-methylphenol	10.4	5.00	"	20.000	0.00	52	22-147	7	42	
2-Chloronaphthalene	10.5	5.00	"	20.000	0.00	52	60-118	7	25	A
2-Chlorophenol	11.7	5.00	"	20.000	0.00	59	23-134	12	40	
4-Chlorophenyl phenyl ether	10.6	5.00	"	20.000	0.00	53	25-158	8	25	
Chrysene	8.79	5.00	"	20.000	0.00	44	17-168	4	25	
Dibenz(a,h)anthracene	9.79	5.00	"	20.000	0.00	49	0.01-227	7	25	
Dibenzofuran	10.3	5.00	"	20.000	0.00	51	30-160	5	25	
3,3'-Dichlorobenzidine	U	5.00	"	20.000	0.00		0.01-262		25	A
Diethyl phthalate	10.8	5.00	"	20.000	0.00	54	0.01-114	12	25	
2,4-Dichlorophenol	10.5	5.00	"	20.000	0.00	52	39-135	6	25	
2,4-Dimethylphenol	11.2	5.00	"	20.000	0.00	56	32-119	8	25	
Dimethyl phthalate	10.8	5.00	"	20.000	0.00	54	0.01-112	9	25	
Di-n-butyl phthalate	10.4	5.00	"	20.000	0.00	52	1-118	11	25	
4,6-Dinitro-2-methylphenol	7.59	10.0	"	20.000	0.00	38	0.01-181	5	25	J
2,4-Dinitrophenol	2.94	5.00	"	20.000	0.00	15	0.01-191	21	25	J
2,4-Dinitrotoluene	10.0	5.00	"	20.000	0.00	50	39-139	5	38	
2,6-Dinitrotoluene	10.2	5.00	"	20.000	0.00	51	50-158	14	25	
Di-n-octyl phthalate	11.9	5.00	"	20.000	0.00	60	4-146	9	25	
Fluoranthene	8.89	5.00	"	20.000	0.00	44	26-137	4	25	
Fluorene	10.4	5.00	"	20.000	0.00	52	59-121	5	25	A

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Semivolatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41801 - EPA 3520C SVOC										
Matrix Spike Dup (BB41801-MSD1)		**Source: 1401014-12**		Prepared: 02/18/14 07:52		Analyzed: 02/24/14 20:09				
Hexachlorobenzene	9.21	5.00	ug/L	20.000	0.00	46	0.01-152	6	25	
Hexachlorobutadiene	10.3	5.00	"	20.000	0.00	52	24-116	14	25	
Hexachlorocyclopentadiene	1.90	5.00	"	20.000	0.00	10	0.01-111	54	25	A, J
Hexachloroethane	10.9	5.00	"	20.000	0.00	55	40-113	15	25	
Indeno(1,2,3-cd)pyrene	9.62	5.00	"	20.000	0.00	48	0.01-171	4	25	
Isophorone	9.62	5.00	"	20.000	0.00	48	21-196	9	25	
2-Methylnaphthalene	13.9	5.00	"	20.000	3.09	54	30-160	11	25	
2-Methylphenol	11.6	5.00	"	20.000	0.00	58	30-160	9	25	
4-Methylphenol	12.5	5.00	"	20.000	0.788	59	30-160	10	25	
Naphthalene	15.6	5.00	"	20.000	4.77	54	21-133	13	25	
2-Nitroaniline	10.2	5.00	"	20.000	0.00	51	30-160	3	25	
3-Nitroaniline	10.2	5.00	"	20.000	0.00	51	30-160	3	25	
4-Nitroaniline	9.50	5.00	"	20.000	0.00	48	30-160	178	25	A
Nitrobenzene	9.41	5.00	"	20.000	0.00	47	35-180	3	25	
2-Nitrophenol	9.40	5.00	"	20.000	0.00	47	29-182	9	25	
4-Nitrophenol	10.1	20.0	"	20.000	0.00	51	0.1-132	0.9	50	J
N-Nitrosodimethylamine	7.23	5.00	"	20.000	0.00	36	30-160	9	25	
N-Nitroso-di-n-propylamine	11.2	5.00	"	20.000	0.00	56	0.01-230	10	38	
N-Nitrosodiphenylamine	13.0	5.00	"	20.000	0.00	65	30-160	5	25	
Pentachlorophenol	9.96	5.00	"	20.000	0.00	50	14-176	6	50	
Phenanthrene	9.71	5.00	"	20.000	0.00	49	54-120	5	25	A
Phenol	10.5	10.0	"	20.000	0.00	52	5-112	10	42	
Pyrene	10.8	5.00	"	20.000	0.00	54	52-115	2	25	
1,2,4,5-Tetrachlorobenzene	10.3	5.00	"	20.000	0.00	51	30-160	9	25	
2,3,4,6-Tetrachlorophenol	10.5	5.00	"	20.000	0.00	53	30-160	7	25	
2,4,5-Trichlorophenol	10.7	10.0	"	20.000	0.00	53	30-160	8	25	
2,4,6-Trichlorophenol	10.4	10.0	"	20.000	0.00	52	37-144	3	25	
Surrogate: 2-Fluorophenol	*28.4*		"	*50.000*		*57*	*21-110*			
Surrogate: Phenol-d5	*29.8*		"	*50.000*		*60*	*39-106*			
Surrogate: Nitrobenzene-d5	*13.0*		"	*25.000*		*52*	*43-108*			
Surrogate: 2-Fluorobiphenyl	*13.4*		"	*25.000*		*54*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*27.6*		"	*50.000*		*55*	*10-123*			
Surrogate: Terphenyl-d14	*13.0*		"	*25.000*		*52*	*33-141*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BA43003 - VOC Purge and Trap										
Blank (BA43003-BLK1)				Prepared & Analyzed: 01/30/14 13:48						
Acetone	U	5.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	5.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
2-Chloroethylvinyl ether	U	1.0	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	1.0	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							
Hexachlorobutadiene	U	0.5	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BA43003 - VOC Purge and Trap										
Blank (BA43003-BLK1)				Prepared & Analyzed: 01/30/14 13:48						
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*5.190*		*"*	*5.0000*		*104*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*5.320*		*"*	*5.0000*		*106*	*76-114*			
Surrogate: Toluene-d8	*4.670*		*"*	*5.0000*		*93*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BA43003 - VOC Purge and Trap										
LCS (BA43003-BS1)				Prepared & Analyzed: 01/30/14 12:51						
Acetone	U	5.0	ug/L				80-120			
Benzene	5.07	0.5	"	5.0000		101	80-120			
Bromobenzene	4.97	0.5	"	5.0000		99	80-120			
Bromochloromethane	4.94	0.5	"	5.0000		99	80-120			
Bromodichloromethane	4.64	0.5	"	5.0000		93	80-120			
Bromoform	4.13	0.5	"	5.0000		83	80-120			
Bromomethane	6.09	0.5	"	5.0000		122	80-120			A
2-Butanone	U	5.0	"				80-120			
sec-Butylbenzene	5.57	0.5	"	5.0000		111	80-120			
tert-Butylbenzene	5.68	0.5	"	5.0000		114	80-120			
n-Butylbenzene	5.21	0.5	"	5.0000		104	80-120			
Carbon disulfide	U	0.5	"				80-120			
Carbon Tetrachloride	4.71	0.5	"	5.0000		94	80-120			
Chlorobenzene	5.42	0.5	"	5.0000		108	80-120			
Chlorodibromomethane	4.83	0.5	"	5.0000		97	80-120			
Chloroethane	5.10	0.5	"	5.0000		102	80-120			
2-Chloroethylvinyl ether	U	1.0	"				80-120			
Chloroform	4.77	0.5	"	5.0000		95	80-120			
Chloromethane	5.32	0.5	"	5.0000		106	80-120			
2-Chlorotoluene	5.44	0.5	"	5.0000		109	80-120			
4-Chlorotoluene	5.56	0.5	"	5.0000		111	80-120			
Cyclohexane	U	0.5	"				80-120			
1,2-Dibromo-3-chloropropane	3.80	1.0	"	5.0000		76	80-120			A
1,2-Dibromoethane (EDB)	4.77	0.5	"	5.0000		95	80-120			
Dibromomethane	4.47	0.5	"	5.0000		89	80-120			
1,2-Dichlorobenzene	5.22	0.5	"	5.0000		104	80-120			
1,3-Dichlorobenzene	5.39	0.5	"	5.0000		108	80-120			
1,4-Dichlorobenzene	4.83	0.5	"	5.0000		97	80-120			
Dichlorodifluoromethane	6.97	0.5	"	5.0000		139	80-120			A
1,1-Dichloroethane	4.90	0.5	"	5.0000		98	80-120			
1,2-Dichloroethane	4.62	0.5	"	5.0000		92	80-120			
1,1-Dichloroethene	5.37	0.5	"	5.0000		107	80-120			
cis-1,2-Dichloroethene	4.86	0.5	"	5.0000		97	80-120			
trans-1,2-Dichloroethene	4.85	0.5	"	5.0000		97	80-120			
1,2-Dichloropropane	4.82	0.5	"	5.0000		96	80-120			
1,3-Dichloropropane	4.69	0.5	"	5.0000		94	80-120			
2,2-Dichloropropane	4.88	0.5	"	5.0000		98	80-120			
1,1-Dichloropropene	4.77	0.5	"	5.0000		95	80-120			
cis-1,3-Dichloropropene	4.40	0.5	"	5.0000		88	80-120			
trans-1,3-Dichloropropene	4.34	0.5	"	5.0000		87	80-120			
Ethylbenzene	4.96	0.5	"	5.0000		99	80-120			
Freon 113	U	0.5	"				80-120			
Hexachlorobutadiene	4.61	0.5	"	5.0000		92	80-120			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BA43003 - VOC Purge and Trap										
LCS (BA43003-BS1)				Prepared & Analyzed: 01/30/14 12:51						
2-Hexanone	U	5.0	ug/L				80-120			
Isopropylbenzene	5.63	0.5	"	5.0000		113	80-120			
p-Isopropyltoluene	5.53	0.5	"	5.0000		111	80-120			
Methyl Acetate	U	0.5	"				80-120			
Methylcyclohexane	U	0.5	"				80-120			
Methyl-tert-butyl ether	U	0.5	"				80-120			
Methylene Chloride	4.85	0.5	"	5.0000		97	80-120			
4-Methyl-2-pentanone	U	5.0	"				80-120			
Naphthalene	4.58	0.5	"	5.0000		92	80-120			
n-Propylbenzene	5.52	0.5	"	5.0000		110	80-120			
Styrene	4.46	1.0	"	5.0000		89	80-120			
1,1,2,2-Tetrachloroethane	4.64	0.5	"	5.0000		93	80-120			
1,1,1,2-Tetrachloroethane	4.48	0.5	"	5.0000		90	80-120			
Tetrachloroethene	5.17	0.5	"	5.0000		103	80-120			
Toluene	4.97	0.5	"	5.0000		99	80-120			
1,2,3-Trichlorobenzene	4.85	0.5	"	5.0000		97	80-120			
1,2,4-Trichlorobenzene	4.80	0.5	"	5.0000		96	80-120			
1,1,1-Trichloroethane	4.80	0.5	"	5.0000		96	80-120			
1,1,2-Trichloroethane	4.95	0.5	"	5.0000		99	80-120			
Trichloroethene	4.72	0.5	"	5.0000		94	80-120			
Trichlorofluoromethane	5.18	0.5	"	5.0000		104	80-120			
1,2,3-Trichloropropane	4.40	0.5	"	5.0000		88	80-120			
1,2,4-Trimethylbenzene	5.17	0.5	"	5.0000		103	80-120			
1,3,5-Trimethylbenzene	5.02	0.5	"	5.0000		100	80-120			
Vinyl acetate	U	0.5	"				80-120			
Vinyl chloride	5.58	0.5	"	5.0000		112	80-120			
m-Xylene/p-Xylene	10.96	1.0	"	10.000		110	80-120			
o-Xylene	5.32	1.0	"	5.0000		106	80-120			
Surrogate: 4-Bromofluorobenzene	*4.970*		"	*5.0000*		*99*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*4.790*		"	*5.0000*		*96*	*76-114*			
Surrogate: Toluene-d8	*4.800*		"	*5.0000*		*96*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40603 - VOC Purge and Trap										
Blank (BB40603-BLK1)				Prepared: 02/05/14 09:00	Analyzed: 02/05/14 10:54					
Acetone	U	5.0	ug/L							
Benzene	U	5.0	"							
Bromobenzene	U	5.0	"							
Bromochloromethane	U	5.0	"							
Bromodichloromethane	U	5.0	"							
Bromoform	U	5.0	"							
Bromomethane	U	5.0	"							
2-Butanone	U	10.0	"							
sec-Butylbenzene	U	5.0	"							
tert-Butylbenzene	U	5.0	"							
n-Butylbenzene	U	5.0	"							
Carbon disulfide	U	5.0	"							
Carbon Tetrachloride	U	5.0	"							
Chlorobenzene	U	5.0	"							
Chlorodibromomethane	U	5.0	"							
Chloroethane	U	5.0	"							
2-Chloroethylvinyl ether	U	10.0	"							
Chloroform	U	5.0	"							
Chloromethane	U	5.0	"							
2-Chlorotoluene	U	5.0	"							
4-Chlorotoluene	U	5.0	"							
Cyclohexane	U	5.0	"							
1,2-Dibromo-3-chloropropane	U	5.0	"							
1,2-Dibromoethane (EDB)	U	5.0	"							
Dibromomethane	U	5.0	"							
1,2-Dichlorobenzene	U	5.0	"							
1,3-Dichlorobenzene	U	5.0	"							
1,4-Dichlorobenzene	U	5.0	"							
Dichlorodifluoromethane	U	5.0	"							
1,1-Dichloroethane	U	5.0	"							
1,2-Dichloroethane	U	5.0	"							
1,1-Dichloroethene	U	5.0	"							
cis-1,2-Dichloroethene	U	5.0	"							
trans-1,2-Dichloroethene	U	5.0	"							
1,2-Dichloropropane	U	5.0	"							
1,3-Dichloropropane	U	5.0	"							
2,2-Dichloropropane	U	5.0	"							
1,1-Dichloropropene	U	5.0	"							
cis-1,3-Dichloropropene	U	5.0	"							
trans-1,3-Dichloropropene	U	5.0	"							
Ethylbenzene	U	5.0	"							
Freon 113	U	5.0	"							
Hexachlorobutadiene	U	5.0	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40603 - VOC Purge and Trap										
Blank (BB40603-BLK1)				Prepared: 02/05/14 09:00		Analyzed: 02/05/14 10:54				
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	5.0	"							
p-Isopropyltoluene	U	5.0	"							
Methyl Acetate	U	5.0	"							
Methylcyclohexane	U	5.0	"							
Methyl-tert-butyl ether	U	5.0	"							
Methylene Chloride	U	5.0	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	5.0	"							
n-Propylbenzene	U	5.0	"							
Styrene	U	10.0	"							
1,1,2,2-Tetrachloroethane	U	5.0	"							
1,1,1,2-Tetrachloroethane	U	5.0	"							
Tetrachloroethene	U	5.0	"							
Toluene	U	5.0	"							
1,2,3-Trichlorobenzene	U	5.0	"							
1,2,4-Trichlorobenzene	U	5.0	"							
1,1,1-Trichloroethane	U	5.0	"							
1,1,2-Trichloroethane	U	5.0	"							
Trichloroethene	U	5.0	"							
Trichlorofluoromethane	U	5.0	"							
1,2,3-Trichloropropane	U	5.0	"							
1,2,4-Trimethylbenzene	U	5.0	"							
1,3,5-Trimethylbenzene	U	5.0	"							
Vinyl acetate	U	5.0	"							
Vinyl chloride	U	5.0	"							
m-Xylene/p-Xylene	U	10.0	"							
o-Xylene	U	10.0	"							
Surrogate: 4-Bromofluorobenzene	*21.30*		*"*	*20.000*		*106*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*20.43*		*"*	*20.000*		*102*	*76-114*			
Surrogate: Toluene-d8	*20.21*		*"*	*20.000*		*101*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40603 - VOC Purge and Trap										
Blank (BB40603-BLK2)				Prepared: 02/05/14 09:00	Analyzed: 02/05/14 11:28					
Acetone	U	5.0	ug/L							
Benzene	U	5.0	"							
Bromobenzene	U	5.0	"							
Bromochloromethane	U	5.0	"							
Bromodichloromethane	U	5.0	"							
Bromoform	U	5.0	"							
Bromomethane	U	5.0	"							
2-Butanone	U	10.0	"							
sec-Butylbenzene	U	5.0	"							
tert-Butylbenzene	U	5.0	"							
n-Butylbenzene	U	5.0	"							
Carbon disulfide	U	5.0	"							
Carbon Tetrachloride	U	5.0	"							
Chlorobenzene	U	5.0	"							
Chlorodibromomethane	U	5.0	"							
Chloroethane	U	5.0	"							
2-Chloroethylvinyl ether	U	10.0	"							
Chloroform	U	5.0	"							
Chloromethane	U	5.0	"							
2-Chlorotoluene	U	5.0	"							
4-Chlorotoluene	U	5.0	"							
Cyclohexane	U	5.0	"							
1,2-Dibromo-3-chloropropane	U	5.0	"							
1,2-Dibromoethane (EDB)	U	5.0	"							
Dibromomethane	U	5.0	"							
1,2-Dichlorobenzene	U	5.0	"							
1,3-Dichlorobenzene	U	5.0	"							
1,4-Dichlorobenzene	U	5.0	"							
Dichlorodifluoromethane	U	5.0	"							
1,1-Dichloroethane	U	5.0	"							
1,2-Dichloroethane	U	5.0	"							
1,1-Dichloroethene	U	5.0	"							
cis-1,2-Dichloroethene	U	5.0	"							
trans-1,2-Dichloroethene	U	5.0	"							
1,2-Dichloropropane	U	5.0	"							
1,3-Dichloropropane	U	5.0	"							
2,2-Dichloropropane	U	5.0	"							
1,1-Dichloropropene	U	5.0	"							
cis-1,3-Dichloropropene	U	5.0	"							
trans-1,3-Dichloropropene	U	5.0	"							
Ethylbenzene	U	5.0	"							
Freon 113	U	5.0	"							
Hexachlorobutadiene	U	5.0	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40603 - VOC Purge and Trap										
Blank (BB40603-BLK2)				Prepared: 02/05/14 09:00		Analyzed: 02/05/14 11:28				
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	5.0	"							
p-Isopropyltoluene	U	5.0	"							
Methyl Acetate	U	5.0	"							
Methylcyclohexane	U	5.0	"							
Methyl-tert-butyl ether	U	5.0	"							
Methylene Chloride	U	5.0	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	5.0	"							
n-Propylbenzene	U	5.0	"							
Styrene	U	10.0	"							
1,1,2,2-Tetrachloroethane	U	5.0	"							
1,1,1,2-Tetrachloroethane	U	5.0	"							
Tetrachloroethene	U	5.0	"							
Toluene	U	5.0	"							
1,2,3-Trichlorobenzene	U	5.0	"							
1,2,4-Trichlorobenzene	U	5.0	"							
1,1,1-Trichloroethane	U	5.0	"							
1,1,2-Trichloroethane	U	5.0	"							
Trichloroethene	U	5.0	"							
Trichlorofluoromethane	U	5.0	"							
1,2,3-Trichloropropane	U	5.0	"							
1,2,4-Trimethylbenzene	U	5.0	"							
1,3,5-Trimethylbenzene	U	5.0	"							
Vinyl acetate	U	5.0	"							
Vinyl chloride	U	5.0	"							
m-Xylene/p-Xylene	U	10.0	"							
o-Xylene	U	10.0	"							
Surrogate: 4-Bromofluorobenzene	*21.29*		*"*	*20.000*		*106*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*20.28*		*"*	*20.000*		*101*	*76-114*			
Surrogate: Toluene-d8	*19.67*		*"*	*20.000*		*98*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40603 - VOC Purge and Trap										
LCS (BB40603-BS1)				Prepared: 02/04/14 09:00		Analyzed: 02/04/14 18:40				
Acetone	U	5.0	ug/L				80-120			
Benzene	20.56	5.0	"	20.000		103	80-120			
Bromobenzene	20.16	5.0	"	20.000		101	80-120			
Bromochloromethane	20.03	5.0	"	20.000		100	80-120			
Bromodichloromethane	20.23	5.0	"	20.000		101	80-120			
Bromoform	18.66	5.0	"	20.000		93	80-120			
Bromomethane	24.69	5.0	"	20.000		123	80-120			A
2-Butanone	U	10.0	"				80-120			
sec-Butylbenzene	19.81	5.0	"	20.000		99	80-120			
tert-Butylbenzene	19.89	5.0	"	20.000		99	80-120			
n-Butylbenzene	20.30	5.0	"	20.000		102	80-120			
Carbon disulfide	U	5.0	"				80-120			
Carbon Tetrachloride	19.69	5.0	"	20.000		98	80-120			
Chlorobenzene	19.76	5.0	"	20.000		99	80-120			
Chlorodibromomethane	17.82	5.0	"	20.000		89	80-120			
Chloroethane	21.58	5.0	"	20.000		108	80-120			
2-Chloroethylvinyl ether	U	10.0	"				80-120			
Chloroform	20.71	5.0	"	20.000		104	80-120			
Chloromethane	21.82	5.0	"	20.000		109	80-120			
2-Chlorotoluene	19.28	5.0	"	20.000		96	80-120			
4-Chlorotoluene	20.27	5.0	"	20.000		101	80-120			
Cyclohexane	U	5.0	"				80-120			
1,2-Dibromo-3-chloropropane	19.00	5.0	"	20.000		95	80-120			
1,2-Dibromoethane (EDB)	19.62	5.0	"	20.000		98	80-120			
Dibromomethane	20.69	5.0	"	20.000		103	80-120			
1,2-Dichlorobenzene	20.40	5.0	"	20.000		102	80-120			
1,3-Dichlorobenzene	19.40	5.0	"	20.000		97	80-120			
1,4-Dichlorobenzene	19.82	5.0	"	20.000		99	80-120			
Dichlorodifluoromethane	25.68	5.0	"	20.000		128	80-120			A
1,1-Dichloroethane	20.81	5.0	"	20.000		104	80-120			
1,2-Dichloroethane	20.44	5.0	"	20.000		102	80-120			
1,1-Dichloroethene	23.96	5.0	"	20.000		120	80-120			
cis-1,2-Dichloroethene	20.02	5.0	"	20.000		100	80-120			
trans-1,2-Dichloroethene	22.20	5.0	"	20.000		111	80-120			
1,2-Dichloropropane	20.83	5.0	"	20.000		104	80-120			
1,3-Dichloropropane	19.69	5.0	"	20.000		98	80-120			
2,2-Dichloropropane	20.24	5.0	"	20.000		101	80-120			
1,1-Dichloropropene	19.79	5.0	"	20.000		99	80-120			
cis-1,3-Dichloropropene	18.28	5.0	"	20.000		91	80-120			
trans-1,3-Dichloropropene	18.43	5.0	"	20.000		92	80-120			
Ethylbenzene	19.91	5.0	"	20.000		100	80-120			
Freon 113	U	5.0	"				80-120			
Hexachlorobutadiene	20.93	5.0	"	20.000		105	80-120			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB40603 - VOC Purge and Trap										
LCS (BB40603-BS1)				Prepared: 02/04/14 09:00		Analyzed: 02/04/14 18:40				
2-Hexanone	U	5.0	ug/L				80-120			
Isopropylbenzene	19.49	5.0	"	20.000		97	80-120			
p-Isopropyltoluene	20.04	5.0	"	20.000		100	80-120			
Methyl Acetate	U	5.0	"				80-120			
Methylcyclohexane	U	5.0	"				80-120			
Methyl-tert-butyl ether	U	5.0	"				80-120			
Methylene Chloride	21.34	5.0	"	20.000		107	80-120			
4-Methyl-2-pentanone	U	5.0	"				80-120			
Naphthalene	20.09	5.0	"	20.000		100	80-120			
n-Propylbenzene	19.43	5.0	"	20.000		97	80-120			
Styrene	18.23	10.0	"	20.000		91	80-120			
1,1,2,2-Tetrachloroethane	19.92	5.0	"	20.000		100	80-120			
1,1,1,2-Tetrachloroethane	19.44	5.0	"	20.000		97	80-120			
Tetrachloroethene	20.54	5.0	"	20.000		103	80-120			
Toluene	19.71	5.0	"	20.000		99	80-120			
1,2,3-Trichlorobenzene	19.99	5.0	"	20.000		100	80-120			
1,2,4-Trichlorobenzene	19.62	5.0	"	20.000		98	80-120			
1,1,1-Trichloroethane	20.04	5.0	"	20.000		100	80-120			
1,1,2-Trichloroethane	20.05	5.0	"	20.000		100	80-120			
Trichloroethene	20.64	5.0	"	20.000		103	80-120			
Trichlorofluoromethane	22.30	5.0	"	20.000		112	80-120			
1,2,3-Trichloropropane	20.87	5.0	"	20.000		104	80-120			
1,2,4-Trimethylbenzene	20.42	5.0	"	20.000		102	80-120			
1,3,5-Trimethylbenzene	19.97	5.0	"	20.000		100	80-120			
Vinyl acetate	U	5.0	"				80-120			
Vinyl chloride	24.86	5.0	"	20.000		124	80-120			A
m-Xylene/p-Xylene	39.15	10.0	"	40.000		98	80-120			
o-Xylene	18.68	10.0	"	20.000		93	80-120			
Surrogate: 4-Bromofluorobenzene	*20.04*		*"*	*20.000*		*100*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*20.01*		*"*	*20.000*		*100*	*76-114*			
Surrogate: Toluene-d8	*19.17*		*"*	*20.000*		*96*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41006 - VOC Purge and Trap										
Blank (BB41006-BLK1)				Prepared & Analyzed: 02/04/14 17:42						
Acetone	U	5.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	5.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
2-Chloroethylvinyl ether	U	1.0	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							
Hexachlorobutadiene	U	0.5	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41006 - VOC Purge and Trap										
Blank (BB41006-BLK1)				Prepared & Analyzed: 02/04/14 17:42						
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*5.050*		*"*	*5.0000*		*101*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*5.550*		*"*	*5.0000*		*111*	*76-114*			
Surrogate: Toluene-d8	*4.470*		*"*	*5.0000*		*89*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41006 - VOC Purge and Trap										
Blank (BB41006-BLK2)				Prepared & Analyzed: 02/06/14 11:41						
Acetone	U	5.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	5.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
2-Chloroethylvinyl ether	U	1.0	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							
Hexachlorobutadiene	U	0.5	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41006 - VOC Purge and Trap										
Blank (BB41006-BLK2)				Prepared & Analyzed: 02/06/14 11:41						
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*4.920*		*"*	*5.0000*		*98*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*6.020*		*"*	*5.0000*		*120*	*76-114*			*A*
Surrogate: Toluene-d8	*4.270*		*"*	*5.0000*		*85*	*88-110*			*A*

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41006 - VOC Purge and Trap										
Blank (BB41006-BLK3)				Prepared & Analyzed: 02/06/14 12:09						
Acetone	U	5.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	5.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
2-Chloroethylvinyl ether	U	1.0	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							
Hexachlorobutadiene	U	0.5	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41006 - VOC Purge and Trap										
Blank (BB41006-BLK3)				Prepared & Analyzed: 02/06/14 12:09						
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*4.920*		*"*	*5.0000*		*98*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*5.960*		*"*	*5.0000*		*119*	*76-114*			*A*
Surrogate: Toluene-d8	*4.540*		*"*	*5.0000*		*91*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41006 - VOC Purge and Trap										
LCS (BB41006-BS1)				Prepared & Analyzed: 02/04/14 16:45						
Acetone	U	5.0	ug/L				80-120			
Benzene	5.63	0.5	"	5.0000		113	80-120			
Bromobenzene	4.62	0.5	"	5.0000		92	80-120			
Bromochloromethane	5.28	0.5	"	5.0000		106	80-120			
Bromodichloromethane	5.44	0.5	"	5.0000		109	80-120			
Bromoform	5.34	0.5	"	5.0000		107	80-120			
Bromomethane	6.10	0.5	"	5.0000		122	80-120			A
2-Butanone	U	5.0	"				80-120			
sec-Butylbenzene	5.52	0.5	"	5.0000		110	80-120			
tert-Butylbenzene	5.22	0.5	"	5.0000		104	80-120			
n-Butylbenzene	5.53	0.5	"	5.0000		111	80-120			
Carbon disulfide	U	0.5	"				80-120			
Carbon Tetrachloride	5.25	0.5	"	5.0000		105	80-120			
Chlorobenzene	5.30	0.5	"	5.0000		106	80-120			
Chlorodibromomethane	4.99	0.5	"	5.0000		100	80-120			
Chloroethane	5.51	0.5	"	5.0000		110	80-120			
2-Chloroethylvinyl ether	U	1.0	"				80-120			
Chloroform	5.22	0.5	"	5.0000		104	80-120			
Chloromethane	5.74	0.5	"	5.0000		115	80-120			
2-Chlorotoluene	5.37	0.5	"	5.0000		107	80-120			
4-Chlorotoluene	5.22	0.5	"	5.0000		104	80-120			
Cyclohexane	U	0.5	"				80-120			
1,2-Dibromo-3-chloropropane	5.07	0.5	"	5.0000		101	80-120			
1,2-Dibromoethane (EDB)	5.18	0.5	"	5.0000		104	80-120			
Dibromomethane	5.06	0.5	"	5.0000		101	80-120			
1,2-Dichlorobenzene	5.16	0.5	"	5.0000		103	80-120			
1,3-Dichlorobenzene	5.16	0.5	"	5.0000		103	80-120			
1,4-Dichlorobenzene	5.02	0.5	"	5.0000		100	80-120			
Dichlorodifluoromethane	6.71	0.5	"	5.0000		134	80-120			A
1,1-Dichloroethane	5.45	0.5	"	5.0000		109	80-120			
1,2-Dichloroethane	5.49	0.5	"	5.0000		110	80-120			
1,1-Dichloroethene	6.15	0.5	"	5.0000		123	80-120			A
cis-1,2-Dichloroethene	5.40	0.5	"	5.0000		108	80-120			
trans-1,2-Dichloroethene	5.41	0.5	"	5.0000		108	80-120			
1,2-Dichloropropane	5.41	0.5	"	5.0000		108	80-120			
1,3-Dichloropropane	5.40	0.5	"	5.0000		108	80-120			
2,2-Dichloropropane	5.18	0.5	"	5.0000		104	80-120			
1,1-Dichloropropene	5.18	0.5	"	5.0000		104	80-120			
cis-1,3-Dichloropropene	4.90	0.5	"	5.0000		98	80-120			
trans-1,3-Dichloropropene	5.14	0.5	"	5.0000		103	80-120			
Ethylbenzene	5.36	0.5	"	5.0000		107	80-120			
Freon 113	U	0.5	"				80-120			
Hexachlorobutadiene	5.12	0.5	"	5.0000		102	80-120			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41006 - VOC Purge and Trap										
LCS (BB41006-BS1)				Prepared & Analyzed: 02/04/14 16:45						
2-Hexanone	U	5.0	ug/L				80-120			
Isopropylbenzene	5.39	0.5	"	5.0000		108	80-120			
p-Isopropyltoluene	5.47	0.5	"	5.0000		109	80-120			
Methyl Acetate	U	0.5	"				80-120			
Methylcyclohexane	U	0.5	"				80-120			
Methyl-tert-butyl ether	U	0.5	"				80-120			
Methylene Chloride	4.62	0.5	"	5.0000		92	80-120			
4-Methyl-2-pentanone	U	5.0	"				80-120			
Naphthalene	5.14	0.5	"	5.0000		103	80-120			
n-Propylbenzene	5.21	0.5	"	5.0000		104	80-120			
Styrene	5.09	1.0	"	5.0000		102	80-120			
1,1,2,2-Tetrachloroethane	5.84	0.5	"	5.0000		117	80-120			
1,1,1,2-Tetrachloroethane	5.69	0.5	"	5.0000		114	80-120			
Tetrachloroethene	5.27	0.5	"	5.0000		105	80-120			
Toluene	5.17	0.5	"	5.0000		103	80-120			
1,2,3-Trichlorobenzene	5.40	0.5	"	5.0000		108	80-120			
1,2,4-Trichlorobenzene	4.99	0.5	"	5.0000		100	80-120			
1,1,1-Trichloroethane	5.30	0.5	"	5.0000		106	80-120			
1,1,2-Trichloroethane	5.24	0.5	"	5.0000		105	80-120			
Trichloroethene	5.45	0.5	"	5.0000		109	80-120			
Trichlorofluoromethane	5.90	0.5	"	5.0000		118	80-120			
1,2,3-Trichloropropane	5.11	0.5	"	5.0000		102	80-120			
1,2,4-Trimethylbenzene	5.61	0.5	"	5.0000		112	80-120			
1,3,5-Trimethylbenzene	5.35	0.5	"	5.0000		107	80-120			
Vinyl acetate	U	0.5	"				80-120			
Vinyl chloride	5.55	0.5	"	5.0000		111	80-120			
m-Xylene/p-Xylene	11.23	1.0	"	10.000		112	80-120			
o-Xylene	5.52	1.0	"	5.0000		110	80-120			
Surrogate: 4-Bromofluorobenzene	*4.840*		"	*5.0000*		*97*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*5.090*		"	*5.0000*		*102*	*76-114*			
Surrogate: Toluene-d8	*4.930*		"	*5.0000*		*99*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41203 - VOC Purge and Trap										
Blank (BB41203-BLK1)				Prepared & Analyzed: 02/12/14 14:35						
Acetone	0.4	5.0	ug/L							J
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	5.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
2-Chloroethylvinyl ether	U	1.0	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							
Hexachlorobutadiene	U	0.5	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41203 - VOC Purge and Trap										
Blank (BB41203-BLK1)				Prepared & Analyzed: 02/12/14 14:35						
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*5.080*		*"*	*5.0000*		*102*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*5.460*		*"*	*5.0000*		*109*	*76-114*			
Surrogate: Toluene-d8	*4.780*		*"*	*5.0000*		*96*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41203 - VOC Purge and Trap										
Blank (BB41203-BLK2)				Prepared & Analyzed: 02/12/14 15:03						
Acetone	U	5.0	ug/L							
Benzene	U	0.5	"							
Bromobenzene	U	0.5	"							
Bromochloromethane	U	0.5	"							
Bromodichloromethane	U	0.5	"							
Bromoform	U	0.5	"							
Bromomethane	U	0.5	"							
2-Butanone	U	5.0	"							
sec-Butylbenzene	U	0.5	"							
tert-Butylbenzene	U	0.5	"							
n-Butylbenzene	U	0.5	"							
Carbon disulfide	U	0.5	"							
Carbon Tetrachloride	U	0.5	"							
Chlorobenzene	U	0.5	"							
Chlorodibromomethane	U	0.5	"							
Chloroethane	U	0.5	"							
2-Chloroethylvinyl ether	U	1.0	"							
Chloroform	U	0.5	"							
Chloromethane	U	0.5	"							
2-Chlorotoluene	U	0.5	"							
4-Chlorotoluene	U	0.5	"							
Cyclohexane	U	0.5	"							
1,2-Dibromo-3-chloropropane	U	0.5	"							
1,2-Dibromoethane (EDB)	U	0.5	"							
Dibromomethane	U	0.5	"							
1,2-Dichlorobenzene	U	0.5	"							
1,3-Dichlorobenzene	U	0.5	"							
1,4-Dichlorobenzene	U	0.5	"							
Dichlorodifluoromethane	U	0.5	"							
1,1-Dichloroethane	U	0.5	"							
1,2-Dichloroethane	U	0.5	"							
1,1-Dichloroethene	U	0.5	"							
cis-1,2-Dichloroethene	U	0.5	"							
trans-1,2-Dichloroethene	U	0.5	"							
1,2-Dichloropropane	U	0.5	"							
1,3-Dichloropropane	U	0.5	"							
2,2-Dichloropropane	U	0.5	"							
1,1-Dichloropropene	U	0.5	"							
cis-1,3-Dichloropropene	U	0.5	"							
trans-1,3-Dichloropropene	U	0.5	"							
Ethylbenzene	U	0.5	"							
Freon 113	U	0.5	"							
Hexachlorobutadiene	U	0.5	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41203 - VOC Purge and Trap										
Blank (BB41203-BLK2)				Prepared & Analyzed: 02/12/14 15:03						
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	0.5	"							
p-Isopropyltoluene	U	0.5	"							
Methyl Acetate	U	0.5	"							
Methylcyclohexane	U	0.5	"							
Methyl-tert-butyl ether	U	0.5	"							
Methylene Chloride	U	0.5	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	0.5	"							
n-Propylbenzene	U	0.5	"							
Styrene	U	1.0	"							
1,1,2,2-Tetrachloroethane	U	0.5	"							
1,1,1,2-Tetrachloroethane	U	0.5	"							
Tetrachloroethene	U	0.5	"							
Toluene	U	0.5	"							
1,2,3-Trichlorobenzene	U	0.5	"							
1,2,4-Trichlorobenzene	U	0.5	"							
1,1,1-Trichloroethane	U	0.5	"							
1,1,2-Trichloroethane	U	0.5	"							
Trichloroethene	U	0.5	"							
Trichlorofluoromethane	U	0.5	"							
1,2,3-Trichloropropane	U	0.5	"							
1,2,4-Trimethylbenzene	U	0.5	"							
1,3,5-Trimethylbenzene	U	0.5	"							
Vinyl acetate	U	0.5	"							
Vinyl chloride	U	0.5	"							
m-Xylene/p-Xylene	U	1.0	"							
o-Xylene	U	1.0	"							
Surrogate: 4-Bromofluorobenzene	*5.310*		*"*	*5.0000*		*106*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*5.750*		*"*	*5.0000*		*115*	*76-114*			*A*
Surrogate: Toluene-d8	*4.660*		*"*	*5.0000*		*93*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41203 - VOC Purge and Trap										
LCS (BB41203-BS1)				Prepared & Analyzed: 02/12/14 13:40						
Acetone	0.44	5.0	ug/L				80-120			J
Benzene	5.60	0.5	"	5.0000		112	80-120			
Bromobenzene	5.69	0.5	"	5.0000		114	80-120			
Bromochloromethane	5.57	0.5	"	5.0000		111	80-120			
Bromodichloromethane	5.46	0.5	"	5.0000		109	80-120			
Bromoform	5.01	0.5	"	5.0000		100	80-120			
Bromomethane	5.77	0.5	"	5.0000		115	80-120			
2-Butanone	U	5.0	"				80-120			
sec-Butylbenzene	5.85	0.5	"	5.0000		117	80-120			
tert-Butylbenzene	5.86	0.5	"	5.0000		117	80-120			
n-Butylbenzene	5.79	0.5	"	5.0000		116	80-120			
Carbon disulfide	U	0.5	"				80-120			
Carbon Tetrachloride	5.04	0.5	"	5.0000		101	80-120			
Chlorobenzene	5.49	0.5	"	5.0000		110	80-120			
Chlorodibromomethane	5.05	0.5	"	5.0000		101	80-120			
Chloroethane	5.39	0.5	"	5.0000		108	80-120			
2-Chloroethylvinyl ether	U	1.0	"				80-120			
Chloroform	5.25	0.5	"	5.0000		105	80-120			
Chloromethane	6.20	0.5	"	5.0000		124	80-120			A
2-Chlorotoluene	5.80	0.5	"	5.0000		116	80-120			
4-Chlorotoluene	5.74	0.5	"	5.0000		115	80-120			
Cyclohexane	U	0.5	"				80-120			
1,2-Dibromo-3-chloropropane	4.61	0.5	"	5.0000		92	80-120			
1,2-Dibromoethane (EDB)	5.35	0.5	"	5.0000		107	80-120			
Dibromomethane	5.10	0.5	"	5.0000		102	80-120			
1,2-Dichlorobenzene	5.56	0.5	"	5.0000		111	80-120			
1,3-Dichlorobenzene	5.46	0.5	"	5.0000		109	80-120			
1,4-Dichlorobenzene	5.36	0.5	"	5.0000		107	80-120			
Dichlorodifluoromethane	7.76	0.5	"	5.0000		155	80-120			A
1,1-Dichloroethane	5.38	0.5	"	5.0000		108	80-120			
1,2-Dichloroethane	5.27	0.5	"	5.0000		105	80-120			
1,1-Dichloroethene	6.13	0.5	"	5.0000		123	80-120			A
cis-1,2-Dichloroethene	5.47	0.5	"	5.0000		109	80-120			
trans-1,2-Dichloroethene	5.54	0.5	"	5.0000		111	80-120			
1,2-Dichloropropane	5.30	0.5	"	5.0000		106	80-120			
1,3-Dichloropropane	5.26	0.5	"	5.0000		105	80-120			
2,2-Dichloropropane	5.16	0.5	"	5.0000		103	80-120			
1,1-Dichloropropene	5.38	0.5	"	5.0000		108	80-120			
cis-1,3-Dichloropropene	5.18	0.5	"	5.0000		104	80-120			
trans-1,3-Dichloropropene	4.92	0.5	"	5.0000		98	80-120			
Ethylbenzene	5.48	0.5	"	5.0000		110	80-120			
Freon 113	U	0.5	"				80-120			
Hexachlorobutadiene	5.82	0.5	"	5.0000		116	80-120			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41203 - VOC Purge and Trap										
LCS (BB41203-BS1)				Prepared & Analyzed: 02/12/14 13:40						
2-Hexanone	U	5.0	ug/L				80-120			
Isopropylbenzene	5.50	0.5	"	5.0000		110	80-120			
p-Isopropyltoluene	6.00	0.5	"	5.0000		120	80-120			
Methyl Acetate	U	0.5	"				80-120			
Methylcyclohexane	U	0.5	"				80-120			
Methyl-tert-butyl ether	U	0.5	"				80-120			
Methylene Chloride	5.54	0.5	"	5.0000		111	80-120			
4-Methyl-2-pentanone	U	5.0	"				80-120			
Naphthalene	5.22	0.5	"	5.0000		104	80-120			
n-Propylbenzene	5.53	0.5	"	5.0000		111	80-120			
Styrene	5.13	1.0	"	5.0000		103	80-120			
1,1,2,2-Tetrachloroethane	5.47	0.5	"	5.0000		109	80-120			
1,1,1,2-Tetrachloroethane	5.11	0.5	"	5.0000		102	80-120			
Tetrachloroethene	5.81	0.5	"	5.0000		116	80-120			
Toluene	5.29	0.5	"	5.0000		106	80-120			
1,2,3-Trichlorobenzene	5.66	0.5	"	5.0000		113	80-120			
1,2,4-Trichlorobenzene	5.24	0.5	"	5.0000		105	80-120			
1,1,1-Trichloroethane	5.17	0.5	"	5.0000		103	80-120			
1,1,2-Trichloroethane	5.31	0.5	"	5.0000		106	80-120			
Trichloroethene	5.80	0.5	"	5.0000		116	80-120			
Trichlorofluoromethane	5.48	0.5	"	5.0000		110	80-120			
1,2,3-Trichloropropane	5.51	0.5	"	5.0000		110	80-120			
1,2,4-Trimethylbenzene	5.94	0.5	"	5.0000		119	80-120			
1,3,5-Trimethylbenzene	5.71	0.5	"	5.0000		114	80-120			
Vinyl acetate	U	0.5	"				80-120			
Vinyl chloride	6.12	0.5	"	5.0000		122	80-120			A
m-Xylene/p-Xylene	11.68	1.0	"	10.000		117	80-120			
o-Xylene	5.42	1.0	"	5.0000		108	80-120			
Surrogate: 4-Bromofluorobenzene	*4.860*		"	*5.0000*		*97*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*4.810*		"	*5.0000*		*96*	*76-114*			
Surrogate: Toluene-d8	*4.640*		"	*5.0000*		*93*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Blank (BB41901-BLK1)				Prepared: 02/18/14 09:00	Analyzed: 02/18/14 16:07					
Acetone	U	5.0	ug/L							
Benzene	U	5.0	"							
Bromobenzene	U	5.0	"							
Bromochloromethane	U	5.0	"							
Bromodichloromethane	U	5.0	"							
Bromoform	U	5.0	"							
Bromomethane	U	5.0	"							
2-Butanone	U	5.0	"							
sec-Butylbenzene	U	5.0	"							
tert-Butylbenzene	U	5.0	"							
n-Butylbenzene	U	5.0	"							
Carbon disulfide	U	5.0	"							
Carbon Tetrachloride	U	5.0	"							
Chlorobenzene	U	5.0	"							
Chlorodibromomethane	U	5.0	"							
Chloroethane	U	5.0	"							
2-Chloroethylvinyl ether	U	10.0	"							
Chloroform	U	5.0	"							
Chloromethane	U	5.0	"							
2-Chlorotoluene	U	5.0	"							
4-Chlorotoluene	U	5.0	"							
Cyclohexane	U	5.0	"							
1,2-Dibromo-3-chloropropane	U	5.0	"							
1,2-Dibromoethane (EDB)	U	5.0	"							
Dibromomethane	U	5.0	"							
1,2-Dichlorobenzene	U	5.0	"							
1,3-Dichlorobenzene	U	5.0	"							
1,4-Dichlorobenzene	U	5.0	"							
Dichlorodifluoromethane	U	5.0	"							
1,1-Dichloroethane	U	5.0	"							
1,2-Dichloroethane	U	5.0	"							
1,1-Dichloroethene	U	5.0	"							
cis-1,2-Dichloroethene	U	5.0	"							
trans-1,2-Dichloroethene	U	5.0	"							
1,2-Dichloropropane	U	5.0	"							
1,3-Dichloropropane	U	5.0	"							
2,2-Dichloropropane	U	5.0	"							
1,1-Dichloropropene	U	5.0	"							
cis-1,3-Dichloropropene	U	5.0	"							
trans-1,3-Dichloropropene	U	5.0	"							
Ethylbenzene	U	5.0	"							
Freon 113	U	5.0	"							
Hexachlorobutadiene	U	5.0	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Blank (BB41901-BLK1)				Prepared: 02/18/14 09:00		Analyzed: 02/18/14 16:07				
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	5.0	"							
p-Isopropyltoluene	U	5.0	"							
Methyl Acetate	U	5.0	"							
Methylcyclohexane	U	5.0	"							
Methyl-tert-butyl ether	U	5.0	"							
Methylene Chloride	U	5.0	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	5.0	"							
n-Propylbenzene	U	5.0	"							
Styrene	U	10.0	"							
1,1,2,2-Tetrachloroethane	U	5.0	"							
1,1,1,2-Tetrachloroethane	U	5.0	"							
Tetrachloroethene	U	5.0	"							
Toluene	U	5.0	"							
1,2,3-Trichlorobenzene	U	5.0	"							
1,2,4-Trichlorobenzene	U	5.0	"							
1,1,1-Trichloroethane	U	5.0	"							
1,1,2-Trichloroethane	U	5.0	"							
Trichloroethene	U	5.0	"							
Trichlorofluoromethane	U	5.0	"							
1,2,3-Trichloropropane	U	5.0	"							
1,2,4-Trimethylbenzene	U	5.0	"							
1,3,5-Trimethylbenzene	U	5.0	"							
Vinyl acetate	U	5.0	"							
Vinyl chloride	U	5.0	"							
m-Xylene/p-Xylene	U	10.0	"							
o-Xylene	U	10.0	"							
Surrogate: 4-Bromofluorobenzene	*21.06*		*"*	*20.000*		*105*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*20.38*		*"*	*20.000*		*102*	*76-114*			
Surrogate: Toluene-d8	*19.87*		*"*	*20.000*		*99*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Blank (BB41901-BLK2)				Prepared: 02/18/14 09:00	Analyzed: 02/18/14 16:32					
Acetone	U	5.0	ug/L							
Benzene	U	5.0	"							
Bromobenzene	U	5.0	"							
Bromochloromethane	U	5.0	"							
Bromodichloromethane	U	5.0	"							
Bromoform	U	5.0	"							
Bromomethane	U	5.0	"							
2-Butanone	U	5.0	"							
sec-Butylbenzene	U	5.0	"							
tert-Butylbenzene	U	5.0	"							
n-Butylbenzene	U	5.0	"							
Carbon disulfide	U	5.0	"							
Carbon Tetrachloride	U	5.0	"							
Chlorobenzene	U	5.0	"							
Chlorodibromomethane	U	5.0	"							
Chloroethane	U	5.0	"							
2-Chloroethylvinyl ether	U	10.0	"							
Chloroform	U	5.0	"							
Chloromethane	U	5.0	"							
2-Chlorotoluene	U	5.0	"							
4-Chlorotoluene	U	5.0	"							
Cyclohexane	U	5.0	"							
1,2-Dibromo-3-chloropropane	U	5.0	"							
1,2-Dibromoethane (EDB)	U	5.0	"							
Dibromomethane	U	5.0	"							
1,2-Dichlorobenzene	U	5.0	"							
1,3-Dichlorobenzene	U	5.0	"							
1,4-Dichlorobenzene	U	5.0	"							
Dichlorodifluoromethane	U	5.0	"							
1,1-Dichloroethane	U	5.0	"							
1,2-Dichloroethane	U	5.0	"							
1,1-Dichloroethene	U	5.0	"							
cis-1,2-Dichloroethene	U	5.0	"							
trans-1,2-Dichloroethene	U	5.0	"							
1,2-Dichloropropane	U	5.0	"							
1,3-Dichloropropane	U	5.0	"							
2,2-Dichloropropane	U	5.0	"							
1,1-Dichloropropene	U	5.0	"							
cis-1,3-Dichloropropene	U	5.0	"							
trans-1,3-Dichloropropene	U	5.0	"							
Ethylbenzene	U	5.0	"							
Freon 113	U	5.0	"							
Hexachlorobutadiene	U	5.0	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Blank (BB41901-BLK2)				Prepared: 02/18/14 09:00		Analyzed: 02/18/14 16:32				
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	5.0	"							
p-Isopropyltoluene	U	5.0	"							
Methyl Acetate	U	5.0	"							
Methylcyclohexane	U	5.0	"							
Methyl-tert-butyl ether	U	5.0	"							
Methylene Chloride	U	5.0	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	5.0	"							
n-Propylbenzene	U	5.0	"							
Styrene	U	10.0	"							
1,1,2,2-Tetrachloroethane	U	5.0	"							
1,1,1,2-Tetrachloroethane	U	5.0	"							
Tetrachloroethene	U	5.0	"							
Toluene	U	5.0	"							
1,2,3-Trichlorobenzene	U	5.0	"							
1,2,4-Trichlorobenzene	U	5.0	"							
1,1,1-Trichloroethane	U	5.0	"							
1,1,2-Trichloroethane	U	5.0	"							
Trichloroethene	U	5.0	"							
Trichlorofluoromethane	U	5.0	"							
1,2,3-Trichloropropane	U	5.0	"							
1,2,4-Trimethylbenzene	U	5.0	"							
1,3,5-Trimethylbenzene	U	5.0	"							
Vinyl acetate	U	5.0	"							
Vinyl chloride	U	5.0	"							
m-Xylene/p-Xylene	U	10.0	"							
o-Xylene	U	10.0	"							
Surrogate: 4-Bromofluorobenzene	*20.39*		"	*20.000*		*102*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*20.32*		"	*20.000*		*102*	*76-114*			
Surrogate: Toluene-d8	*19.92*		"	*20.000*		*100*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Blank (BB41901-BLK3)				Prepared: 02/19/14 09:00	Analyzed: 02/19/14 12:18					
Acetone	U	5.0	ug/L							
Benzene	U	5.0	"							
Bromobenzene	U	5.0	"							
Bromochloromethane	U	5.0	"							
Bromodichloromethane	U	5.0	"							
Bromoform	U	5.0	"							
Bromomethane	U	5.0	"							
2-Butanone	U	5.0	"							
sec-Butylbenzene	U	5.0	"							
tert-Butylbenzene	U	5.0	"							
n-Butylbenzene	U	5.0	"							
Carbon disulfide	U	5.0	"							
Carbon Tetrachloride	U	5.0	"							
Chlorobenzene	U	5.0	"							
Chlorodibromomethane	U	5.0	"							
Chloroethane	U	5.0	"							
2-Chloroethylvinyl ether	U	10.0	"							
Chloroform	U	5.0	"							
Chloromethane	U	5.0	"							
2-Chlorotoluene	U	5.0	"							
4-Chlorotoluene	U	5.0	"							
Cyclohexane	U	5.0	"							
1,2-Dibromo-3-chloropropane	U	5.0	"							
1,2-Dibromoethane (EDB)	U	5.0	"							
Dibromomethane	U	5.0	"							
1,2-Dichlorobenzene	U	5.0	"							
1,3-Dichlorobenzene	U	5.0	"							
1,4-Dichlorobenzene	U	5.0	"							
Dichlorodifluoromethane	U	5.0	"							
1,1-Dichloroethane	U	5.0	"							
1,2-Dichloroethane	U	5.0	"							
1,1-Dichloroethene	U	5.0	"							
cis-1,2-Dichloroethene	U	5.0	"							
trans-1,2-Dichloroethene	U	5.0	"							
1,2-Dichloropropane	U	5.0	"							
1,3-Dichloropropane	U	5.0	"							
2,2-Dichloropropane	U	5.0	"							
1,1-Dichloropropene	U	5.0	"							
cis-1,3-Dichloropropene	U	5.0	"							
trans-1,3-Dichloropropene	U	5.0	"							
Ethylbenzene	U	5.0	"							
Freon 113	U	5.0	"							
Hexachlorobutadiene	U	5.0	"							

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Blank (BB41901-BLK3)				Prepared: 02/19/14 09:00		Analyzed: 02/19/14 12:18				
2-Hexanone	U	5.0	ug/L							
Isopropylbenzene	U	5.0	"							
p-Isopropyltoluene	U	5.0	"							
Methyl Acetate	U	5.0	"							
Methylcyclohexane	U	5.0	"							
Methyl-tert-butyl ether	U	5.0	"							
Methylene Chloride	U	5.0	"							
4-Methyl-2-pentanone	U	5.0	"							
Naphthalene	U	5.0	"							
n-Propylbenzene	U	5.0	"							
Styrene	U	10.0	"							
1,1,2,2-Tetrachloroethane	U	5.0	"							
1,1,1,2-Tetrachloroethane	U	5.0	"							
Tetrachloroethene	U	5.0	"							
Toluene	U	5.0	"							
1,2,3-Trichlorobenzene	U	5.0	"							
1,2,4-Trichlorobenzene	U	5.0	"							
1,1,1-Trichloroethane	U	5.0	"							
1,1,2-Trichloroethane	U	5.0	"							
Trichloroethene	U	5.0	"							
Trichlorofluoromethane	U	5.0	"							
1,2,3-Trichloropropane	U	5.0	"							
1,2,4-Trimethylbenzene	U	5.0	"							
1,3,5-Trimethylbenzene	U	5.0	"							
Vinyl acetate	U	5.0	"							
Vinyl chloride	U	5.0	"							
m-Xylene/p-Xylene	U	10.0	"							
o-Xylene	U	10.0	"							
Surrogate: 4-Bromofluorobenzene	*20.34*		*"*	*20.000*		*102*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*19.81*		*"*	*20.000*		*99*	*76-114*			
Surrogate: Toluene-d8	*19.74*		*"*	*20.000*		*99*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
LCS (BB41901-BS1)				Prepared: 02/18/14 09:00		Analyzed: 02/18/14 15:15				
Acetone	U	5.0	ug/L				80-120			
Benzene	18.61	5.0	"	20.000		93	80-120			
Bromobenzene	21.09	5.0	"	20.000		105	80-120			
Bromochloromethane	18.07	5.0	"	20.000		90	80-120			
Bromodichloromethane	20.42	5.0	"	20.000		102	80-120			
Bromoform	19.75	5.0	"	20.000		99	80-120			
Bromomethane	18.97	5.0	"	20.000		95	80-120			
2-Butanone	U	5.0	"				80-120			
sec-Butylbenzene	20.57	5.0	"	20.000		103	80-120			
tert-Butylbenzene	21.25	5.0	"	20.000		106	80-120			
n-Butylbenzene	20.61	5.0	"	20.000		103	80-120			
Carbon disulfide	U	5.0	"				80-120			
Carbon Tetrachloride	17.60	5.0	"	20.000		88	80-120			
Chlorobenzene	20.32	5.0	"	20.000		102	80-120			
Chlorodibromomethane	18.13	5.0	"	20.000		91	80-120			
Chloroethane	18.51	5.0	"	20.000		93	80-120			
2-Chloroethylvinyl ether	U	10.0	"				80-120			
Chloroform	19.01	5.0	"	20.000		95	80-120			
Chloromethane	19.13	5.0	"	20.000		96	80-120			
2-Chlorotoluene	20.88	5.0	"	20.000		104	80-120			
4-Chlorotoluene	21.10	5.0	"	20.000		106	80-120			
Cyclohexane	U	5.0	"				80-120			
1,2-Dibromo-3-chloropropane	19.80	5.0	"	20.000		99	80-120			
1,2-Dibromoethane (EDB)	19.73	5.0	"	20.000		99	80-120			
Dibromomethane	19.45	5.0	"	20.000		97	80-120			
1,2-Dichlorobenzene	20.70	5.0	"	20.000		104	80-120			
1,3-Dichlorobenzene	20.49	5.0	"	20.000		102	80-120			
1,4-Dichlorobenzene	20.79	5.0	"	20.000		104	80-120			
Dichlorodifluoromethane	25.64	5.0	"	20.000		128	80-120			A
1,1-Dichloroethane	18.50	5.0	"	20.000		92	80-120			
1,2-Dichloroethane	19.04	5.0	"	20.000		95	80-120			
1,1-Dichloroethene	18.94	5.0	"	20.000		95	80-120			
cis-1,2-Dichloroethene	18.30	5.0	"	20.000		92	80-120			
trans-1,2-Dichloroethene	18.32	5.0	"	20.000		92	80-120			
1,2-Dichloropropane	19.87	5.0	"	20.000		99	80-120			
1,3-Dichloropropane	20.09	5.0	"	20.000		100	80-120			
2,2-Dichloropropane	16.18	5.0	"	20.000		81	80-120			
1,1-Dichloropropene	18.42	5.0	"	20.000		92	80-120			
cis-1,3-Dichloropropene	18.52	5.0	"	20.000		93	80-120			
trans-1,3-Dichloropropene	18.23	5.0	"	20.000		91	80-120			
Ethylbenzene	20.55	5.0	"	20.000		103	80-120			
Freon 113	U	5.0	"				80-120			
Hexachlorobutadiene	20.95	5.0	"	20.000		105	80-120			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
LCS (BB41901-BS1)				Prepared: 02/18/14 09:00		Analyzed: 02/18/14 15:15				
2-Hexanone	U	5.0	ug/L				80-120			
Isopropylbenzene	20.59	5.0	"	20.000		103	80-120			
p-Isopropyltoluene	21.18	5.0	"	20.000		106	80-120			
Methyl Acetate	U	5.0	"				80-120			
Methylcyclohexane	U	5.0	"				80-120			
Methyl-tert-butyl ether	U	5.0	"				80-120			
Methylene Chloride	17.70	5.0	"	20.000		88	80-120			
4-Methyl-2-pentanone	U	5.0	"				80-120			
Naphthalene	20.33	5.0	"	20.000		102	80-120			
n-Propylbenzene	20.57	5.0	"	20.000		103	80-120			
Styrene	18.78	10.0	"	20.000		94	80-120			
1,1,2,2-Tetrachloroethane	19.80	5.0	"	20.000		99	80-120			
1,1,1,2-Tetrachloroethane	20.01	5.0	"	20.000		100	80-120			
Tetrachloroethene	20.19	5.0	"	20.000		101	80-120			
Toluene	19.78	5.0	"	20.000		99	80-120			
1,2,3-Trichlorobenzene	20.14	5.0	"	20.000		101	80-120			
1,2,4-Trichlorobenzene	20.54	5.0	"	20.000		103	80-120			
1,1,1-Trichloroethane	17.60	5.0	"	20.000		88	80-120			
1,1,2-Trichloroethane	20.33	5.0	"	20.000		102	80-120			
Trichloroethene	19.60	5.0	"	20.000		98	80-120			
Trichlorofluoromethane	18.66	5.0	"	20.000		93	80-120			
1,2,3-Trichloropropane	21.90	5.0	"	20.000		110	80-120			
1,2,4-Trimethylbenzene	21.30	5.0	"	20.000		106	80-120			
1,3,5-Trimethylbenzene	20.82	5.0	"	20.000		104	80-120			
Vinyl acetate	U	5.0	"				80-120			
Vinyl chloride	21.56	5.0	"	20.000		108	80-120			
m-Xylene/p-Xylene	40.40	10.0	"	40.000		101	80-120			
o-Xylene	19.60	10.0	"	20.000		98	80-120			
Surrogate: 4-Bromofluorobenzene	*19.45*		"	*20.000*		*97*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*19.73*		"	*20.000*		*99*	*76-114*			
Surrogate: Toluene-d8	*19.81*		"	*20.000*		*99*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Matrix Spike (BB41901-MS1)		**Source: 1401014-12**		Prepared: 02/19/14 09:00		Analyzed: 02/19/14 14:58				
Acetone	25.00		ug/L	20.000	1.83	116	70-130			
Benzene	20.43		"	20.000	0.02	102	76-127			
Bromobenzene	20.69		"	20.000	0.00	103	70-130			
Bromochloromethane	19.85		"	20.000	0.00	99	70-130			
Bromodichloromethane	20.05		"	20.000	0.00	100	70-130			
Bromoform	19.99		"	20.000	0.00	100	70-130			
Bromomethane	21.58		"	20.000	0.00	108	70-130			
2-Butanone	21.32		"	20.000	0.00	107	70-130			
sec-Butylbenzene	20.91		"	20.000	0.30	103	70-130			
tert-Butylbenzene	20.44		"	20.000	0.06	102	70-130			
n-Butylbenzene	21.56		"	20.000	0.53	105	70-130			
Carbon disulfide	19.76		"	20.000	0.00	99	70-130			
Carbon Tetrachloride	18.98		"	20.000	0.00	95	70-130			
Chlorobenzene	19.79		"	20.000	0.00	99	75-130			
Chlorodibromomethane	18.41		"	20.000	0.00	92	70-130			
Chloroethane	20.66		"	20.000	0.00	103	70-130			
2-Chloroethylvinyl ether	22.91		"	20.000	0.00	115	70-130			
Chloroform	20.12		"	20.000	0.00	101	70-130			
Chloromethane	20.85		"	20.000	0.00	104	70-130			
2-Chlorotoluene	20.08		"	20.000	0.00	100	70-130			
4-Chlorotoluene	20.34		"	20.000	0.00	102	70-130			
Cyclohexane	21.41		"	20.000	0.95	102	70-130			
1,2-Dibromo-3-chloropropane	19.84		"	20.000	0.00	99	70-130			
1,2-Dibromoethane (EDB)	20.44		"	20.000	0.00	102	70-130			
Dibromomethane	20.36		"	20.000	0.00	102	70-130			
1,2-Dichlorobenzene	20.78		"	20.000	0.00	104	70-130			
1,3-Dichlorobenzene	20.09		"	20.000	0.00	100	70-130			
1,4-Dichlorobenzene	20.32		"	20.000	0.00	102	70-130			
Dichlorodifluoromethane	21.49		"	20.000	0.00	107	70-130			
1,1-Dichloroethane	20.09		"	20.000	0.00	100	70-130			
1,2-Dichloroethane	19.92		"	20.000	0.00	100	70-130			
1,1-Dichloroethene	19.77		"	20.000	0.00	99	61-145			
cis-1,2-Dichloroethene	20.90		"	20.000	0.00	104	70-130			
trans-1,2-Dichloroethene	20.40		"	20.000	0.00	102	70-130			
1,2-Dichloropropane	20.26		"	20.000	0.00	101	70-130			
1,3-Dichloropropane	20.07		"	20.000	0.00	100	70-130			
2,2-Dichloropropane	19.17		"	20.000	0.00	96	70-130			
1,1-Dichloropropene	20.47		"	20.000	0.00	102	70-130			
cis-1,3-Dichloropropene	19.33		"	20.000	0.00	97	70-130			
trans-1,3-Dichloropropene	17.69		"	20.000	0.00	88	70-130			
Ethylbenzene	20.51		"	20.000	0.34	101	70-130			
Freon 113	20.51		"	20.000	0.00	103	70-130			
Hexachlorobutadiene	20.51		"	20.000	0.00	103	70-130			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Matrix Spike (BB41901-MS1)		**Source: 1401014-12**		Prepared: 02/19/14 09:00		Analyzed: 02/19/14 14:58				
2-Hexanone	21.48		ug/L	20.000	0.00	107	70-130			
Isopropylbenzene	20.72		"	20.000	1.07	98	70-130			
p-Isopropyltoluene	20.68		"	20.000	0.22	102	70-130			
Methyl Acetate	21.78		"	20.000	0.00	109	70-130			
Methylcyclohexane	24.09		"	20.000	3.79	102	70-130			
Methyl-tert-butyl ether	20.45		"	20.000	0.00	102	70-130			
Methylene Chloride	20.98		"	20.000	0.00	105	70-130			
4-Methyl-2-pentanone	20.44		"	20.000	0.00	102	70-130			
Naphthalene	23.47		"	20.000	1.59	109	70-130			
n-Propylbenzene	23.07		"	20.000	3.11	100	70-130			
Styrene	39.63		"	40.000	0.00	99	70-130			
1,1,2,2-Tetrachloroethane	20.57		"	20.000	0.00	103	70-130			
1,1,1,2-Tetrachloroethane	18.89		"	20.000	0.00	94	70-130			
Tetrachloroethene	20.02		"	20.000	0.00	100	70-130			
Toluene	20.39		"	20.000	0.02	102	76-125			
1,2,3-Trichlorobenzene	20.58		"	20.000	0.00	103	70-130			
1,2,4-Trichlorobenzene	21.49		"	20.000	0.00	107	70-130			
1,1,1-Trichloroethane	19.00		"	20.000	0.00	95	70-130			
1,1,2-Trichloroethane	19.86		"	20.000	0.00	99	70-130			
Trichloroethene	20.38		"	20.000	0.00	102	71-120			
Trichlorofluoromethane	20.84		"	20.000	0.00	104	70-130			
1,2,3-Trichloropropane	20.44		"	20.000	0.00	102	70-130			
1,2,4-Trimethylbenzene	37.06		"	20.000	15.08	110	70-130			
1,3,5-Trimethylbenzene	21.00		"	20.000	0.37	103	70-130			
Vinyl acetate	19.56		"	20.000	0.00	98	70-130			
Vinyl chloride	21.43		"	20.000	0.00	107	70-130			
m-Xylene/p-Xylene	40.09		"	40.000	0.05	100	70-130			
o-Xylene	39.79		"	40.000	0.02	99	70-130			
Surrogate: 4-Bromofluorobenzene	*19.57*		*"*	*20.000*		*98*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*19.30*		*"*	*20.000*		*96*	*76-114*			
Surrogate: Toluene-d8	*19.30*		*"*	*20.000*		*96*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Matrix Spike Dup (BB41901-MSD1)		**Source: 1401014-12**		Prepared: 02/19/14 09:00		Analyzed: 02/19/14 15:25				
Acetone	23.14		ug/L	20.000	1.83	107	70-130	8	20	
Benzene	19.58		"	20.000	0.02	98	76-127	4	11	
Bromobenzene	19.03		"	20.000	0.00	95	70-130	8	20	
Bromochloromethane	19.72		"	20.000	0.00	99	70-130	0.7	20	
Bromodichloromethane	18.89		"	20.000	0.00	94	70-130	6	20	
Bromoform	18.42		"	20.000	0.00	92	70-130	8	20	
Bromomethane	20.59		"	20.000	0.00	103	70-130	5	20	
2-Butanone	21.51		"	20.000	0.00	108	70-130	0.9	20	
sec-Butylbenzene	20.24		"	20.000	0.30	100	70-130	3	20	
tert-Butylbenzene	20.06		"	20.000	0.06	100	70-130	2	20	
n-Butylbenzene	20.93		"	20.000	0.53	102	70-130	3	20	
Carbon disulfide	18.90		"	20.000	0.00	94	70-130	4	20	
Carbon Tetrachloride	18.09		"	20.000	0.00	90	70-130	5	20	
Chlorobenzene	18.85		"	20.000	0.00	94	75-130	5	13	
Chlorodibromomethane	16.94		"	20.000	0.00	85	70-130	8	20	
Chloroethane	20.11		"	20.000	0.00	101	70-130	3	20	
2-Chloroethylvinyl ether	23.21		"	20.000	0.00	116	70-130	1	20	
Chloroform	18.88		"	20.000	0.00	94	70-130	6	20	
Chloromethane	20.72		"	20.000	0.00	104	70-130	0.6	20	
2-Chlorotoluene	19.61		"	20.000	0.00	98	70-130	2	20	
4-Chlorotoluene	19.66		"	20.000	0.00	98	70-130	3	20	
Cyclohexane	20.36		"	20.000	0.95	97	70-130	5	20	
1,2-Dibromo-3-chloropropane	18.53		"	20.000	0.00	93	70-130	7	20	
1,2-Dibromoethane (EDB)	18.63		"	20.000	0.00	93	70-130	9	20	
Dibromomethane	19.35		"	20.000	0.00	97	70-130	5	20	
1,2-Dichlorobenzene	19.86		"	20.000	0.00	99	70-130	5	20	
1,3-Dichlorobenzene	19.05		"	20.000	0.00	95	70-130	5	20	
1,4-Dichlorobenzene	19.67		"	20.000	0.00	98	70-130	3	20	
Dichlorodifluoromethane	21.10		"	20.000	0.00	106	70-130	2	20	
1,1-Dichloroethane	19.18		"	20.000	0.00	96	70-130	5	20	
1,2-Dichloroethane	19.22		"	20.000	0.00	96	70-130	4	20	
1,1-Dichloroethene	19.41		"	20.000	0.00	97	61-145	2	14	
cis-1,2-Dichloroethene	19.73		"	20.000	0.00	99	70-130	6	20	
trans-1,2-Dichloroethene	19.99		"	20.000	0.00	100	70-130	2	20	
1,2-Dichloropropane	18.74		"	20.000	0.00	94	70-130	8	20	
1,3-Dichloropropane	19.08		"	20.000	0.00	95	70-130	5	20	
2,2-Dichloropropane	18.33		"	20.000	0.00	92	70-130	4	20	
1,1-Dichloropropene	19.59		"	20.000	0.00	98	70-130	4	20	
cis-1,3-Dichloropropene	18.57		"	20.000	0.00	93	70-130	4	20	
trans-1,3-Dichloropropene	17.40		"	20.000	0.00	87	70-130	2	20	
Ethylbenzene	19.40		"	20.000	0.34	95	70-130	6	20	
Freon 113	19.60		"	20.000	0.00	98	70-130	5	20	
Hexachlorobutadiene	20.23		"	20.000	0.00	101	70-130	1	20	

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

QC Data
Volatile Organic Compounds

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB41901 - VOC Purge and Trap										
Matrix Spike Dup (BB41901-MSD1)		**Source: 1401014-12**		Prepared: 02/19/14 09:00		Analyzed: 02/19/14 15:25				
2-Hexanone	21.48		ug/L	20.000	0.00	107	70-130	0	20	
Isopropylbenzene	20.04		"	20.000	1.07	95	70-130	3	20	
p-Isopropyltoluene	20.17		"	20.000	0.22	100	70-130	2	20	
Methyl Acetate	20.43		"	20.000	0.00	102	70-130	6	20	
Methylcyclohexane	23.11		"	20.000	3.79	97	70-130	4	20	
Methyl-tert-butyl ether	19.52		"	20.000	0.00	98	70-130	5	20	
Methylene Chloride	19.85		"	20.000	0.00	99	70-130	6	20	
4-Methyl-2-pentanone	20.52		"	20.000	0.00	103	70-130	0.4	20	
Naphthalene	24.03		"	20.000	1.59	112	70-130	2	20	
n-Propylbenzene	22.59		"	20.000	3.11	97	70-130	2	20	
Styrene	37.77		"	40.000	0.00	94	70-130	5	20	
1,1,2,2-Tetrachloroethane	19.76		"	20.000	0.00	99	70-130	4	20	
1,1,1,2-Tetrachloroethane	18.51		"	20.000	0.00	93	70-130	2	20	
Tetrachloroethene	19.00		"	20.000	0.00	95	70-130	5	20	
Toluene	19.10		"	20.000	0.02	95	76-125	7	13	
1,2,3-Trichlorobenzene	20.35		"	20.000	0.00	102	70-130	1	20	
1,2,4-Trichlorobenzene	20.68		"	20.000	0.00	103	70-130	4	20	
1,1,1-Trichloroethane	18.85		"	20.000	0.00	94	70-130	0.8	20	
1,1,2-Trichloroethane	18.83		"	20.000	0.00	94	70-130	5	20	
Trichloroethene	19.52		"	20.000	0.00	98	71-120	4	14	
Trichlorofluoromethane	20.37		"	20.000	0.00	102	70-130	2	20	
1,2,3-Trichloropropane	19.83		"	20.000	0.00	99	70-130	3	20	
1,2,4-Trimethylbenzene	37.11		"	20.000	15.08	110	70-130	0.1	20	
1,3,5-Trimethylbenzene	20.33		"	20.000	0.37	100	70-130	3	20	
Vinyl acetate	20.21		"	20.000	0.00	101	70-130	3	20	
Vinyl chloride	20.36		"	20.000	0.00	102	70-130	5	20	
m-Xylene/p-Xylene	37.96		"	40.000	0.05	95	70-130	5	20	
o-Xylene	37.87		"	40.000	0.02	95	70-130	5	20	
Surrogate: 4-Bromofluorobenzene	*19.90*		*"*	*20.000*		*100*	*86-115*			
Surrogate: 1,2-Dichloroethane-d4	*19.63*		*"*	*20.000*		*98*	*76-114*			
Surrogate: Toluene-d8	*19.19*		*"*	*20.000*		*96*	*88-110*			

Site Name: West Virginia Chemical Leak **Project #: DAS R34317**

Notes and Definitions

UJ	The analyte was not detected at or above the quantitation limit. The quantitation limit is an estimate.
TD	Spike concentration is too dilute for accurate quantitation resulting in inaccurate recovery calculations..
T	Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library. Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
J	The identification of the analyte is acceptable; the reported value is an estimate.
H2	This sample was extracted outside of the EPA recommended holding time.
C	See narrative for comments and observations concerning this result.
B	Not detected substantially above (10 times) the level reported in the laboratory or field blanks (including field, trip, rinsate, and equipment blanks).
A	Quality control value is outside acceptance limits.
%REC	Percent Recovery
RPD	Relative Percent Difference
U	Analyte included in the analysis, but not detected at or above the quantitation limit.
NR	Not Reported

QUANTITATION LIMIT: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

SOLID SAMPLE RESULTS - REPORTING PROTOCOL: Solid samples where % Solids (percent dry wt at 105 degrees C) has been performed, are analyzed wet and converted to a dry weight result for reporting purposes. This is routine for organics and most inorganic analyses. When metals and mercury analyses are requested, solid samples are routinely analyzed and reported on a dry weight basis. Solid samples for metals/mercury are prepared for analysis by an initial drying at 60 degree C and homogenization before digestion. Oil-type samples will be analyzed and reported on a wet weight basis for all analyses because of the nature of the sample. Any exceptions to the protocol will be noted with a qualifier

ON-DEMAND: The term 'on-demand' analysis, if noted in the report narrative, refers to Section 13.1.4 in the Region III OASQA Laboratory Quality Manual, which provides procedures for non-routine analyses or analytes.