Pace Analytical Services, Inc.
1638 Roseytown Road - Suites 2,3,4
Greensburg, PA 15601
(724)850-5600

July 23, 2012

Mr. Mark Valenty
Letterle & Associates
2859 Oxford Boulevard
Suite 110
Allison Park, PA 15101

RE: Project: 031 Route 119
Pace Project No.: 3073101

Dear Mr. Valenty:
Enclosed are the analytical results for sample(s) received by the laboratory on July 11, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Cooler temperature 6.3 ° C upon receipt. Ice was present.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rachel Christner

rachel.christner@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project:	031 Route 119
Pace Project No.:	3073101

Pennsylvania Certification IDs
1638 Roseytown Rd Suites 2,3&4 Greensburg, PA 15601
ACLASS DOD-ELAP Accreditation #: ADE-1544
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California/TNI Certification #: 04222CA
Colorado Certification
Connecticut Certification #: PH 0694
Delaware Certification
Florida/TNI Certification #: E87683
Guam/PADEP Certification
Hawaii/PADEP Certification
Idaho Certification
Illinois/PADEP Certification
Indiana/PADEP Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: 90133
Louisiana/TNI Certification #: LA080002
Louisiana/TNI Certification #: 4086
Maine Certification #: PA0091
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification
Missouri Certification #: 235
Montana Certification #: Cert 0082
Nevada Certification
New Hampshire/TNI Certification #: 2976
New Jersey/TNI Certification #: PA 051
New Mexico Certification
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
Oregon/TNI Certification #: PA200002
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
South Dakota Certification
Tennessee Certification #: TN2867
Texas/TNI Certification #: T104704188
Utah/TNI Certification #: ANTE
Virgin Island/PADEP Certification
Virginia Certification #: 00112
Virginia VELAP (Cert # 460198)
Washington Certification #: C868
West Virginia Certification #: 143
Wisconsin/PADEP Certification
Wyoming Certification #: 8TMS-Q

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SAMPLE SUMMARY

Project: 031 Route 119
Pace Project No.: 3073101

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3073101001	**MW-3**	Water	07/10/12 10:30	07/11/12 15:40
3073101002	**MW-4**	Water	07/10/12 10:10	07/11/12 15:40
3073101003	**MW-6**	Water	07/10/12 10:15	07/11/12 15:40
3073101004	**MW-7**	Water	07/10/12 10:50	07/11/12 15:40
3073101005	**MW-8**	Water	07/10/12 10:50	07/11/12 15:40
3073101006	**MW-10**	Water	07/10/12 10:30	07/11/12 15:40
3073101007	**MW-11**	Water	07/10/12 12:40	07/11/12 15:40
3073101008	**MW-12**	Water	07/10/12 11:10	07/11/12 15:40
3073101009	**MW-13**	Water	07/10/12 11:15	07/11/12 15:40
3073101010	**MW-14S**	Water	07/10/12 11:40	07/11/12 15:40
3073101011	**MW-15S**	Water	07/10/12 12:00	07/11/12 15:40
3073101012	**MW-16**	Water	07/10/12 12:00	07/11/12 15:40
3073101013	**MW-17**	Water	07/10/12 11:40	07/11/12 15:40

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SAMPLE ANALYTE COUNT

Project: 031 Route 119
Pace Project No.: 3073101

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3073101001	**MW-3**	EPA 8260	RES	10	PASI-PA
3073101002	**MW-4**	EPA 8260	RES	10	PASI-PA
3073101003	**MW-6**	EPA 8260	RES	10	PASI-PA
3073101004	**MW-7**	EPA 8260	RES	10	PASI-PA
3073101005	**MW-8**	EPA 8260	RES	10	PASI-PA
3073101006	**MW-10**	EPA 8260	RES	10	PASI-PA
3073101007	**MW-11**	EPA 8260	RES	10	PASI-PA
3073101008	**MW-12**	EPA 8260	RES	10	PASI-PA
3073101009	**MW-13**	EPA 8260	RES	10	PASI-PA
3073101010	**MW-14S**	EPA 8260	RES	10	PASI-PA
3073101011	**MW-15S**	EPA 8260	RES	10	PASI-PA
3073101012	**MW-16**	EPA 8260	RES	10	PASI-PA
3073101013	**MW-17**	EPA 8260	RES	10	PASI-PA

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-3 **Lab ID: 3073101001** Collected: 07/10/12 10:30 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.065	1		07/19/12 02:19	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 02:19	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/19/12 02:19	98-82-8	
Methyl-tert-butyl ether	**17.2**	ug/L	1.0	0.19	1		07/19/12 02:19	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.33	1		07/19/12 02:19	91-20-3	
Toluene	ND	ug/L	1.0	0.11	1		07/19/12 02:19	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.31	1		07/19/12 02:19	1330-20-7	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		07/19/12 02:19	2037-26-5	
4-Bromofluorobenzene (S)	103	%	70-130		1		07/19/12 02:19	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		07/19/12 02:19	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-4 **Lab ID: 3073101002** Collected: 07/10/12 10:10 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.065	1		07/19/12 02:44	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 02:44	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/19/12 02:44	98-82-8	
Methyl-tert-butyl ether	**2.2**	ug/L	1.0	0.19	1		07/19/12 02:44	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.33	1		07/19/12 02:44	91-20-3	
Toluene	ND	ug/L	1.0	0.11	1		07/19/12 02:44	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.31	1		07/19/12 02:44	1330-20-7	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		07/19/12 02:44	2037-26-5	
4-Bromofluorobenzene (S)	97	%	70-130		1		07/19/12 02:44	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		07/19/12 02:44	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-6 **Lab ID: 3073101003** Collected: 07/10/12 10:15 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.065	1		07/19/12 03:10	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 03:10	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/19/12 03:10	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.19	1		07/19/12 03:10	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.33	1		07/19/12 03:10	91-20-3	
Toluene	ND	ug/L	1.0	0.11	1		07/19/12 03:10	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.31	1		07/19/12 03:10	1330-20-7	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		07/19/12 03:10	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		07/19/12 03:10	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		07/19/12 03:10	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-7 **Lab ID: 3073101004** Collected: 07/10/12 10:50 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.065	1		07/19/12 03:36	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 03:36	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/19/12 03:36	98-82-8	
Methyl-tert-butyl ether	**8.6**	ug/L	1.0	0.19	1		07/19/12 03:36	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.33	1		07/19/12 03:36	91-20-3	
Toluene	**1.6**	ug/L	1.0	0.11	1		07/19/12 03:36	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.31	1		07/19/12 03:36	1330-20-7	
Surrogates									
Toluene-d8 (S)	95	%	70-130		1		07/19/12 03:36	2037-26-5	
4-Bromofluorobenzene (S)	101	%	70-130		1		07/19/12 03:36	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		07/19/12 03:36	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-8 **Lab ID: 3073101005** Collected: 07/10/12 10:50 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.065	1		07/19/12 04:01	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 04:01	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/19/12 04:01	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.19	1		07/19/12 04:01	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.33	1		07/19/12 04:01	91-20-3	
Toluene	ND	ug/L	1.0	0.11	1		07/19/12 04:01	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.31	1		07/19/12 04:01	1330-20-7	
Surrogates									
Toluene-d8 (S)	98	%	70-130		1		07/19/12 04:01	2037-26-5	
4-Bromofluorobenzene (S)	99	%	70-130		1		07/19/12 04:01	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	70-130		1		07/19/12 04:01	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-10 **Lab ID: 3073101006** Collected: 07/10/12 10:30 Received: 07/11/12 15:40 Matrix: Water

Comments: • The pH of the VOA vial used for analysis is 6.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	**1.7**	ug/L	1.0	0.065	1		07/19/12 04:27	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 04:27	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/19/12 04:27	98-82-8	
Methyl-tert-butyl ether	**3.3**	ug/L	1.0	0.19	1		07/19/12 04:27	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.33	1		07/19/12 04:27	91-20-3	
Toluene	**4.6**	ug/L	1.0	0.11	1		07/19/12 04:27	108-88-3	
Xylene (Total)	**3.1**	ug/L	3.0	0.31	1		07/19/12 04:27	1330-20-7	
Surrogates									
Toluene-d8 (S)	97	%	70-130		1		07/19/12 04:27	2037-26-5	
4-Bromofluorobenzene (S)	98	%	70-130		1		07/19/12 04:27	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		1		07/19/12 04:27	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-11 **Lab ID: 3073101007** Collected: 07/10/12 12:40 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	**1340**	ug/L	10.0	0.65	10		07/19/12 05:18	71-43-2	
Ethylbenzene	**690**	ug/L	10.0	1.2	10		07/19/12 05:18	100-41-4	
Isopropylbenzene (Cumene)	**106**	ug/L	1.0	0.12	1		07/19/12 04:53	98-82-8	
Methyl-tert-butyl ether	**341**	ug/L	10.0	1.9	10		07/19/12 05:18	1634-04-4	
Naphthalene	**149**	ug/L	2.0	0.33	1		07/19/12 04:53	91-20-3	
Toluene	**75.7**	ug/L	1.0	0.11	1		07/19/12 04:53	108-88-3	
Xylene (Total)	**138**	ug/L	3.0	0.31	1		07/19/12 04:53	1330-20-7	
Surrogates									
Toluene-d8 (S)	114	%	70-130		1		07/19/12 04:53	2037-26-5	
4-Bromofluorobenzene (S)	196	%	70-130		1		07/19/12 04:53	460-00-4	1c
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		07/19/12 04:53	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-12 **Lab ID: 3073101008** Collected: 07/10/12 11:10 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	**2.3**	ug/L	1.0	0.065	1		07/19/12 05:44	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 05:44	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/19/12 05:44	98-82-8	
Methyl-tert-butyl ether	**84.9**	ug/L	1.0	0.19	1		07/19/12 05:44	1634-04-4	
Naphthalene	**3.8**	ug/L	2.0	0.33	1		07/19/12 05:44	91-20-3	
Toluene	ND	ug/L	1.0	0.11	1		07/19/12 05:44	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.31	1		07/19/12 05:44	1330-20-7	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		07/19/12 05:44	2037-26-5	
4-Bromofluorobenzene (S)	96	%	70-130		1		07/19/12 05:44	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	70-130		1		07/19/12 05:44	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-13 **Lab ID: 3073101009** Collected: 07/10/12 11:15 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	**16.3**	ug/L	1.0	0.065	1		07/19/12 06:10	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 06:10	100-41-4	
Isopropylbenzene (Cumene)	**9.2**	ug/L	1.0	0.12	1		07/19/12 06:10	98-82-8	
Methyl-tert-butyl ether	**209**	ug/L	1.0	0.19	1		07/19/12 06:10	1634-04-4	
Naphthalene	**3.1**	ug/L	2.0	0.33	1		07/19/12 06:10	91-20-3	
Toluene	ND	ug/L	1.0	0.11	1		07/19/12 06:10	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.31	1		07/19/12 06:10	1330-20-7	
Surrogates									
Toluene-d8 (S)	106	%	70-130		1		07/19/12 06:10	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		07/19/12 06:10	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		07/19/12 06:10	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-14S **Lab ID: 3073101010** Collected: 07/10/12 11:40 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	**331**	ug/L	1.0	0.065	1		07/19/12 06:36	71-43-2	
Ethylbenzene	**167**	ug/L	1.0	0.12	1		07/19/12 06:36	100-41-4	
Isopropylbenzene (Cumene)	**23.9**	ug/L	1.0	0.12	1		07/19/12 06:36	98-82-8	
Methyl-tert-butyl ether	**113**	ug/L	1.0	0.19	1		07/19/12 06:36	1634-04-4	
Naphthalene	**48.4**	ug/L	2.0	0.33	1		07/19/12 06:36	91-20-3	
Toluene	**17.1**	ug/L	1.0	0.11	1		07/19/12 06:36	108-88-3	
Xylene (Total)	**72.7**	ug/L	3.0	0.31	1		07/19/12 06:36	1330-20-7	
Surrogates									
Toluene-d8 (S)	99	%	70-130		1		07/19/12 06:36	2037-26-5	
4-Bromofluorobenzene (S)	91	%	70-130		1		07/19/12 06:36	460-00-4	
1,2-Dichloroethane-d4 (S)	111	%	70-130		1		07/19/12 06:36	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-15S **Lab ID: 3073101011** Collected: 07/10/12 12:00 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	**132**	ug/L	1.0	0.065	1		07/19/12 07:01	71-43-2	
Ethylbenzene	**44.9**	ug/L	1.0	0.12	1		07/19/12 07:01	100-41-4	
Isopropylbenzene (Cumene)	**5.3**	ug/L	1.0	0.12	1		07/19/12 07:01	98-82-8	
Methyl-tert-butyl ether	**47.0**	ug/L	1.0	0.19	1		07/19/12 07:01	1634-04-4	
Naphthalene	**15.8**	ug/L	2.0	0.33	1		07/19/12 07:01	91-20-3	
Toluene	**12.7**	ug/L	1.0	0.11	1		07/19/12 07:01	108-88-3	
Xylene (Total)	**43.6**	ug/L	3.0	0.31	1		07/19/12 07:01	1330-20-7	
Surrogates									
Toluene-d8 (S)	101	%	70-130		1		07/19/12 07:01	2037-26-5	
4-Bromofluorobenzene (S)	93	%	70-130		1		07/19/12 07:01	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		07/19/12 07:01	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-16 **Lab ID: 3073101012** Collected: 07/10/12 12:00 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.065	1		07/19/12 07:27	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 07:27	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/19/12 07:27	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.19	1		07/19/12 07:27	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.33	1		07/19/12 07:27	91-20-3	
Toluene	ND	ug/L	1.0	0.11	1		07/19/12 07:27	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.31	1		07/19/12 07:27	1330-20-7	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		07/19/12 07:27	2037-26-5	
4-Bromofluorobenzene (S)	94	%	70-130		1		07/19/12 07:27	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	70-130		1		07/19/12 07:27	17060-07-0	

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ANALYTICAL RESULTS

Project: 031 Route 119
Pace Project No.: 3073101

Sample: MW-17 **Lab ID: 3073101013** Collected: 07/10/12 11:40 Received: 07/11/12 15:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV PA UST	Analytical Method: EPA 8260								
Benzene	ND	ug/L	1.0	0.065	1		07/19/12 08:05	71-43-2	
Ethylbenzene	ND	ug/L	1.0	0.12	1		07/19/12 08:05	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.12	1		07/19/12 08:05	98-82-8	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.19	1		07/19/12 08:05	1634-04-4	
Naphthalene	ND	ug/L	2.0	0.33	1		07/19/12 08:05	91-20-3	
Toluene	ND	ug/L	1.0	0.11	1		07/19/12 08:05	108-88-3	
Xylene (Total)	ND	ug/L	3.0	0.31	1		07/19/12 08:05	1330-20-7	
Surrogates									
Toluene-d8 (S)	102	%	70-130		1		07/19/12 08:05	2037-26-5	
4-Bromofluorobenzene (S)	95	%	70-130		1		07/19/12 08:05	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		07/19/12 08:05	17060-07-0	

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QUALITY CONTROL DATA

Project: 031 Route 119
Pace Project No.: 3073101

QC Batch: MSV/13321 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 3073101001, 3073101002, 3073101003, 3073101004, 3073101005, 3073101006, 3073101007, 3073101008, 3073101009, 3073101010, 3073101011, 3073101012, 3073101013

METHOD BLANK: 465837 — Matrix: Water
Associated Lab Samples: 3073101001, 3073101002, 3073101003, 3073101004, 3073101005, 3073101006, 3073101007, 3073101008, 3073101009, 3073101010, 3073101011, 3073101012, 3073101013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/19/12 00:36	
Ethylbenzene	ug/L	ND	1.0	07/19/12 00:36	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	07/19/12 00:36	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/19/12 00:36	
Naphthalene	ug/L	ND	2.0	07/19/12 00:36	
Toluene	ug/L	ND	1.0	07/19/12 00:36	
Xylene (Total)	ug/L	ND	3.0	07/19/12 00:36	
1,2-Dichloroethane-d4 (S)	%	105	70-130	07/19/12 00:36	
4-Bromofluorobenzene (S)	%	102	70-130	07/19/12 00:36	
Toluene-d8 (S)	%	98	70-130	07/19/12 00:36	

LABORATORY CONTROL SAMPLE: 465838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.0	95	69.8-120	
Ethylbenzene	ug/L	20	17.8	89	70.9-124	
Isopropylbenzene (Cumene)	ug/L	20	21.3	107	68.3-129	
Methyl-tert-butyl ether	ug/L	20	18.4	92	66.4-144	
Naphthalene	ug/L	20	20.4	102	61-135	
Toluene	ug/L	20	18.4	92	71.5-120	
Xylene (Total)	ug/L	60	55.1	92	70-129	
1,2-Dichloroethane-d4 (S)	%			105	70-130	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 465839 465840

Parameter	Units	3073101003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	20.3	18.9	101	95	69.8-120	7	30	
Ethylbenzene	ug/L	ND	20	20	18.9	17.5	95	87	70.9-124	8	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	21.4	20.6	107	103	68.3-129	4	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	18.3	18.4	92	92	66.4-144	.4	30	
Naphthalene	ug/L	ND	20	20	17.6	17.8	88	89	61-135	.6	30	
Toluene	ug/L	ND	20	20	19.4	18.0	97	90	71.5-120	8	30	
Xylene (Total)	ug/L	ND	60	60	57.8	54.9	96	92	70-129	5	30	
1,2-Dichloroethane-d4 (S)	%						112	102	70-130			
4-Bromofluorobenzene (S)	%						95	94	70-130			

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QUALITY CONTROL DATA

Project: 031 Route 119
Pace Project No.: 3073101

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 465839 465840

Parameter	Units	3073101003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						95	98	70-130			

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QUALIFIERS

Project: 031 Route 119
Pace Project No.: 3073101

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-PA	Pace Analytical Services - Greensburg

ANALYTE QUALIFIERS

1c	Surrogate recovery outside laboratory control limits due to matrix interferences. Surrogate recovery is within control limits in the dilution.

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Greensburg, PA 15601
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 031 Route 119
Pace Project No.: 3073101

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3073101001	**MW-3**	EPA 8260	MSV/13321		
3073101002	**MW-4**	EPA 8260	MSV/13321		
3073101003	**MW-6**	EPA 8260	MSV/13321		
3073101004	**MW-7**	EPA 8260	MSV/13321		
3073101005	**MW-8**	EPA 8260	MSV/13321		
3073101006	**MW-10**	EPA 8260	MSV/13321		
3073101007	**MW-11**	EPA 8260	MSV/13321		
3073101008	**MW-12**	EPA 8260	MSV/13321		
3073101009	**MW-13**	EPA 8260	MSV/13321		
3073101010	**MW-14S**	EPA 8260	MSV/13321		
3073101011	**MW-15S**	EPA 8260	MSV/13321		
3073101012	**MW-16**	EPA 8260	MSV/13321		
3073101013	**MW-17**	EPA 8260	MSV/13321		

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

1519888

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Letterle + Associates	Report To: Nate Croasmun	Attention:
Address: 2859 Oxford Blvd Ste 110	Copy To: Eric Ithe	Company Name:
Allison Park PA 15101		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Route 119	Pace Project Manager: Rachel Chastner
Requested Due Date/TAT: Standard	Project Number: 031	Pace Profile #: 520

REGULATORY AGENCY

- [ ] NPDES
- [ ] GROUND WATER
- [ ] DRINKING WATER
- [x] UST
- [ ] RCRA
- [ ] OTHER _____

Site Location STATE: PA

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	BTEX	MTBE	Naphthalene	Cumene	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 3073101
1	MW-3	WT	G			7-10	1030		3				3						x	x	x	x		001
2	MW-4						1010						3											002
3	MW-6						1015																	003
4	MW-7						1050																	004
5	MW-8						1050																	005
6	MW-10						1030																	006
7	MW-11						1240																	007
8	MW-12						1110																	008
9	MW-13					1115	[illegible]																	009
10	MW-14S					1140	[illegible]																	010
11	MW-15S						1200																	011
12	MW-16						1200																	012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] Watonpool	7-11-12	9:30	[signature] Pace	7-12-12	9:30				
	[signature] Pace	7-11-12	3:40	[signature]	7-11-12	1540	00	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andrew Frost

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 07/10/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

1519885

Section A Required Client Information:

Company: Lettacle + Associates
Address: 2859 Oxford Blvd Ste 110
Allison Park PA 15101
Email To:
Phone: Fax:
Requested Due Date/TAT: Standard

Section B Required Project Information:

Report To: Nate Crossman
Copy To: Eric Ittle
Purchase Order No.:
Project Name: Route 119
Project Number: 031

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager: Rachel Christie
Pace Profile #: 520

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☒ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: PA

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): BTEX	MTBE	Naphthalene	Cumene	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-17					7-10	1140		3				3					Y	Y	Y	Y		013
2	[redacted]																						
3	Trip Blank						—		2				2					Y	Y	Y	Y		
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Amy Watermood	7-11-12	9:34	Allyson Page	7-12-12	9:30				
	Allyson Page	7-11-12	3:40	[illegible]	7-11-12	1540	0.0	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Andrew Frost

SIGNATURE of SAMPLER: Andrew Frost

DATE Signed (MM/DD/YY): 07/10/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical

Client Name: Le Herve Project # 3073101

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date:
Proj. Name:

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Thermometer Used 5 6 7 Type of Ice: Wet Blue None ☑ Samples on ice, cooling process has begun

Cooler Temperature 0.0 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 7-11-10

Temp should be above freezing to 6°C

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☑Yes	☐No	☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT				
All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes	☐No		Initial when completed: Lot # of added preservative
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	15.
Trip Blank Present:	☐Yes	☑No	☐N/A	16. TB on COC but did not receive!
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A	
Pace Trip Blank Lot # (if purchased): _____				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Nate Crossman Date/Time: 7/12/12 14:37

Comments/ Resolution:

Notified client that Trip Blank listed on COC was not received. RDG 7/12/12

Project Manager Review: _____ **Date:** 7/12/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

F-ALL-C003-6 SCURF front 2April2012.xls

Pace Analytical

Project Number: 3073101

Client Name:

Item No.	Matrix Code	Glass Jar (120 / 250 / 500 / 1L)	Soil kit (2 SB, 1M, soil jar)	Chemistry (250 / 500 / 1L)	Organics (1L)	Nutrient (250 / 500)	Phenolics (250 ml)	TOC (40 ml / 250 ml)	TOX (250 ml)	Total Metals	Dissolved Metals preserved Y N	O & G (1L)	TPH (1L)	VOA (40 ml 30 ml)	Cyanide (250 ml)	Sulfide (500 ml)	Bacteria (120 ml)	Wipes / swipe/ smear/ filter	Radchem Nalgene (125 / 250 / 500 / 1L)	Radchem Nalgene (1/2 gal. / 1 gal.L)	Cubitainer (500 ml / 4L)	Ziploc	Other	Other
001	SS													3										
013																								

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-1	11/14/05	Well was damaged - not sampled						
	12/08/04	32.2	<1	3.1	<3	14.7	<1	<2
	07/07/04	<1	<1	<1	<3	13.8	<1	<2
	04/09/04	36.5	<1	1.2	3.3	17.4	<1	2.6
	12/04/03	29.1	3.2	10.2	5.5	64.1	1.5	<2
	09/16/03	7.6	6.7	22.0	73.1	5.0	5.2	13.4
	12/04/02	898	115	96	285	1,440	16	33
	09/16/02	118	22	41	129	187	9.2	18
	05/15/02	30	12	40	86	43	9.2	14
	02/18/02	20	3.9	2.5	19	45	5.4	4.0
	11/26/01	35	16	12	19	26	3.3	2.3
	07/24/01	80	8.6	124	32	163	19	2.5
	08/24/00	149	7.9	255	36	474	32	7.6
MW-2	01/28/11	MW-2 was abandoned in September 2010						
	12/20/10							
	08/27/10	<1	<1	<1	<3	<1	<1	<2
	06/25/10	<1	<1	<1	<3	1.1	<1	<2
	03/25/10	<1	<1	<1	<3	5.6	<1	<2
	11/05/09	<1	2	<1	<3	<1	<1	<2
	08/17/09	<1	2	<1	4	2.8	<1	3
	06/05/09	<1	<1	<1	<3	2.8	<1	<1
	03/24/09	<1	<1	<1	<3	<1	<1	<1
	12/18/08	<1	<1	<1	<3	<1	<1	<1
	09/30/08	<1	<1	<1	<3	<1	<1	<1
	04/15/08	<1	<1	<1	<3	1	<1	<1
	01/14/08	<1	<1	<1	<3	10	<1	<1
	10/15/07	<1	<1	<1	<3	<1	<1	<1
	05/14/07	<1	<1	<1	<3	<1	<1	<1
	05/12/06	<1	<1	<1	<3	<1	<1	<1
	11/14/05	<1	<1	<1	<3	<1	<1	<1
	02/18/02	<1	<1	<1	<3	<1	<1	<2
	11/26/01	<1	<1	<1	<3	1.3	<1	<2
	07/24/01	<1	<1	<1	<3	93	<1	<2
	08/23/00	<1	<1	<1	<3	<1	<1	<2

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-3	07/10/12	<1	<1	<1	<3	17.2	<1	<2
	04/17/12	<1	<1	<1	<3	<1	<1	<2
	01/12/12	<1	<1	<1	<3	1.3	<1	<2
	11/09/11	<1	<1	<1	<3	<1	<1	<2
	07/15/11	<1	6.4	<1	<3	<1	<1	<2
	05/09/11	<1	<1	<1	<3	<1	<1	<2
	01/28/11	MW-3 was buried beneath a mound of snow.						
	12/20/10	<1	<1	<1	<3	<1	<1	<2
	08/27/10	<1	<1	<1	<3	50.9	<1	<2
	06/25/10	3	<1	<1	<3	43.1	<1	<2
	03/25/10	<1	6.2	<1	<3	1.3	<1	<2
	11/05/09	<1	<1	<1	<3	6.4	<1	<2
	08/17/09	32.2	5.4	7	11.2	26.1	5.7	6.4
	06/05/09	<1	<1	<1	<3	<1	<1	<1
	03/24/09	55.9	3.6	14.8	8.8	32.8	5.4	4.8
	12/18/08	<1	<1	<1	<3	<1	<1	<1
	09/30/08	20	<3	<1	<3	52	1.1	<1
	04/15/08	10	<1	<1	<3	20	<1	<1
	01/04/08	<1	<1	<1	<3	<1	<1	<1
	10/15/07	360	11.0	50	21	160	7.8	15.0
	05/14/07	210	6.7	60	26	53	7.9	7.3
	05/12/06	38	1.3	7.5	6.5	17	1.9	3.2
	11/14/05	1.6	<1	<1	<3	61	<1	<1
	07/06/05	51.4	19.6	3.8	38.3	140	<1	9.1
	03/24/05	<1	<1	<1	<3	28.2	<1	<2
	12/08/04	39.1	1.0	5.5	3.9	63.7	3.2	2.3
	07/07/04	26.2	3.1	3.9	19.6	33.8	2.2	3.8
	04/09/04	7.7	<1	1.0	5.4	12.0	<1	<2
	12/04/03	35.2	6.2	26.7	26.6	52.4	7.1	8.8
	02/18/02	127	34	17	407	768	2.2	9.2
	11/26/01	<1	<1	<1	<3	<1	<1	<2
	07/24/01	485	152	390	1,490	1,950	35	155

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-4	07/10/12	<1	<1	<1	<3	2.2	<1	<2
	04/17/12	<1	<1	<1	<3	3.1	<1	<2
	01/12/12	<1	<1	<1	<3	3.1	<1	<2
	11/09/11	<1	<1	<1	<3	1.7	<1	<2
	07/15/11	<1	<1	<1	<3	3.3	<1	<2
	05/09/11	<1	<1	<1	<3	2.8	<1	<2
	01/28/11	<1	<1	<1	<3	<1	<1	<2
	12/20/10	<1	<1	<1	<3	3.2	<1	<2
	08/27/10	<1	<1	<1	<3	3.7	<1	<2
	06/25/10	<1	<1	<1	<3	4.5	<1	<2
	03/25/10	<1	<1	<1	<3	3.1	<1	<2
	11/05/09	<1	<1	<1	<3	2.3	<1	<2
	08/17/09	<1	1.2	<1	<3	3.8	<1	<2
	06/05/09	<1	<1	<1	<3	4.8	<1	<1
	03/24/09	7.5	1.1	5.5	6.4	4.4	<1	2.2
	12/18/08	<1	<1	<1	<3	4.4	<1	<1
	09/30/08	<1	<1	<1	<3	5.3	<1	<1
	04/15/08	<1	<1	<1	<3	1.4	<1	<1
	01/14/08	<1	<1	<1	<3	1.7	<1	<1
	10/15/07	<1	<1	<1	<3	2.3	<1	<1
	05/14/07	<1	<1	<1	<3	1.7	<1	<1
	05/12/06	<1	<1	<1	<3	4.7	<1	<1
	11/14/05	<1	<1	<1	<3	7.6	<1	<1
	07/26/05	<1	10.4	2.1	15.6	3.9	<1	<2
	03/24/05	3.5	30.8	7.5	42	6.7	<1	3.3
	12/08/04	<1	<1	<1	<3	6.8	<1	<2
	07/07/04	<1	<1	<1	<3	5.6	<1	<2
	04/09/04	<1	<1	<1	<3	7.4	<1	<2
	12/04/03	<1	<1	<1	<3	<1	<1	<2
	09/16/03	<1	<1	<1	<3	3.1	<1	<2
	04/29/03	<1	<1	<1	<3	4.3	<1	<2
	12/04/02	<1	<1	<1	<3	<1	<1	<2
	09/16/02	<1	<1	<1	<3	8.8	<1	<2
	05/15/02	<1	<1	<1	<3	13	<1	<2
	02/18/02	<1	<1	<1	<3	4.0	<1	<2
	11/26/01	<1	<1	<1	<3	6.7	<1	<2
	07/23/01	<1	<1	<1	<3	14	<1	<2
	08/23/00	<1	<1	<1	<3	11	<1	<2

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-5	11/14/05	MW-5 was paved over.						
	04/29/03	<1	<1	<1	<3	<1	<1	<2
	12/04/02	<1	<1	<1	<3	<1	<1	<2
	09/16/02	<1	<1	<1	<3	<1	<1	<2
	05/15/02	<1	<1	<1	<3	<1	<1	<2
	02/18/02	<1	<1	<1	<3	<1	<1	<2
	11/26/01	<1	<1	<1	<3	<1	<1	<2
	07/23/01	<1	<1	<1	<3	<1	<1	<2
	08/23/00	<1	<1	<1	<3	<1	<1	<2

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-6	07/10/12	<1	<1	<1	<3	<1	<1	<2
	04/17/12	<1	<1	<1	<3	<1	<1	<2
	01/12/12	<1	<1	<1	<3	<1	<1	<2
	11/08/11	<1	<1	<1	<3	<1	<1	<2
	07/15/11	<1	<1	<1	<3	<1	<1	<2
	05/09/11	<1	<1	<1	<3	<1	<1	<2
	01/28/11	<1	<1	<1	<3	<1	<1	<2
	12/20/10	<1	<1	<1	<3	<1	<1	<2
	08/27/10	<1	<1	<1	<3	<1	<1	<2
	06/25/10	<1	<1	<1	<3	<1	<1	<2
	03/25/10	<1	<1	<1	<3	<1	<1	<2
	11/05/09	<1	<1	<1	<3	<1	<1	<2
	08/17/09	<1	<1	<1	<3	<1	<1	<2
	06/05/09	<1	<1	<1	<3	<1	<1	<1
	03/24/09	<1	<1	<1	<3	<1	<1	<1
	12/18/08	<1	<1	<1	<3	<1	<1	<1
	09/30/08	<1	<1	<1	<3	<1	<1	<1
	04/15/08	<1	<1	<1	<3	<1	<1	<1
	01/14/08	<1	<1	<1	<3	<1	<1	<1
	10/15/07	<1	<1	<1	<3	<1	<1	<1
	05/14/07	<1	<1	<1	<3	<1	<1	<1
	05/12/06	<1	<1	<1	<3	<1	<1	<1
	11/14/05	<1	<1	<1	<3	<1	<1	<1
	07/06/05	<1	<1	<1	<3	<1	<1	<2
	03/24/05	<1	1.5	<1	<3	<1	<1	<2
	12/08/04	<1	<1	<1	<3	<1	<1	<2
	07/07/04	<1	<1	<1	<3	<1	<1	<2
	04/09/04	<1	<1	<1	<3	<1	<1	<2
	12/04/03	<1	<1	<1	<3	<1	<1	<2
	04/29/03	<1	<1	<1	<3	<1	<1	<2
	12/04/02	<1	<1	<1	<3	2.2	<1	<2
	09/16/02	<1	<1	<1	<3	<1	<1	<2
	05/15/02	<1	<1	<1	<3	<1	<1	<2
	02/18/02	<1	<1	<1	<3	<1	<1	<2
	11/26/01	<1	<1	<1	<3	<1	<1	<2
	07/23/01	<1	<1	<1	<3	<1	<1	<2
	08/23/00	<1	<1	<1	<3	<1	<1	<2

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-7	07/10/12	<1	1.6	<1	<3	8.6	<1	<2
	04/17/12	<1	<1	<1	<3	9.4	<1	<2
	01/12/12	<1	<1	<1	<3	6.1	<1	<2
	11/09/11	<1	1.4	<1	<3	5.5	<1	<2
	07/15/11	<1	2.7	<1	<3	6.9	<1	<2
	05/09/11	<1	2	<1	<3	7.3	<1	<2
	01/28/11	<1	<1	<1	<3	6	<1	<2
	12/20/10	<1	<1	<1	<3	5	<1	2.3
	08/27/10	<1	<1	<1	<3	<1	<1	<2
	06/25/10	<1	1.6	<1	<3	<1	<1	<2
	03/25/10	<1	<1	<1	<3	<1	<1	<2
	11/05/09	<1	<1	<1	<3	<1	<1	<2
	08/17/09	<1	1.8	<1	<3	<1	<1	<2
	06/05/09	<1	<1	<1	<3	<1	<1	<1
	03/24/09	<1	<1	<1	<3	<1	<1	<1
	12/18/08	<1	<1	<1	<3	<1	<1	<1
	09/30/08	<1	<1	<1	<3	<1	<1	<1
	04/15/08	<1	<1	<1	<3	<1	<1	<1
	01/14/08	<1	<1	<1	<3	<1	<1	<1
	10/15/07	<1	1.9	<1	<3	<1	<1	<1
	05/14/07	<1	<1	<1	<3	1.1	<1	<1
	05/12/06	2.4	2.2	<1	17	18	<1	<1

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-8	07/10/12	<1	<1	<1	<3	<1	<1	<2
	04/17/12	1.1	2.4	<1	<3	<1	<1	<2
	01/12/12	<1	<1	<1	<3	<1	<1	<2
	11/09/11	<1	1.1	<1	<3	<1	<1	<2
	07/15/11	<1	1.4	<1	<3	<1	<1	<2
	05/09/11	<1	1	<1	<3	<1	<1	<2
	01/28/11	<1	<1	<1	<3	<1	<1	<2
	12/20/10	<1	<1	<1	<3	<1	<1	<2
	08/27/10	<1	<1	<1	<3	1.7	<1	<2
	06/25/10	<1	<1	<1	<3	<1	<1	<2
	03/25/10	<1	<1	<1	<3	<1	<1	<2
	11/05/09	<1	1	<1	<3	<1	<1	<2
	08/17/09	<1	1	<1	<3	<1	<1	<2
	06/05/09	<1	<1	<1	<3	<1	<1	<1
	03/24/09	<1	<1	<1	<3	<1	<1	<1
	12/18/08	<1	<1	<1	<3	<1	<1	<1
	09/30/08	<1	<1	<1	<3	<1	<1	<1
	04/15/08	<1	<1	<1	<3	<1	<1	<1
	01/14/08	<1	<1	<1	<3	<1	<1	<1
	10/15/07	<1	<1	<1	<3	<1	<1	<1
	05/14/07	<1	1.9	<1	<3	<1	<1	<1
	05/12/06	120	93	66	250	29	8.4	15

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-9	12/20/10	MW-9 was abandoned in September 2010						
	08/27/10	<1	<1	<1	<3	3.7	<1	<2
	06/25/10	<1	<1	<1	<3	7.5	<1	<2
	03/25/10	<1	<1	<1	<3	2.8	<1	<2
	11/05/09	<1	<1	<1	<3	8	<1	<2
	08/17/09	1.7	2.3	<1	3.3	3.7	<1	<2
	06/05/09	<1	<1	<1	<3	2.1	<1	<1
	03/24/09	<1	<1	<1	<3	10.1	<1	<1
	12/18/08	<1	<1	<1	<3	7.1	<1	2.7
	09/30/08	<1	<1	<1	<3	8.3	<1	<1
	04/15/08	<1	<1	<1	<3	3.4	<1	<1
	01/14/08	<1	<1	<1	<3	<1	<1	<1
	10/15/07	<1	<1	1.4	<3	10.0	<1	<1
	05/14/07	<1	<1	1.2	<3	3.6	<1	<1
	05/12/06	44	10	150	520	20	36	80
MW-10	07/10/12	1.7	4.6	<1	3.1	3.3	<1	<2
	04/17/12	1.4	3.7	<1	<3	9.6	<1	<2
	01/12/12	<1	2.3	<1	<3	10.6	<1	<2
	11/09/11	<1	<1	<1	<3	7.5	<1	<2
	07/15/11	1.4	3.7	<1	<3	6.7	<1	<2
	05/09/11	2.3	5.5	<1	3.5	6.6	<1	<2
	01/28/11	<1	1	<1	<3	<1	<1	<2
	12/20/10	<1	1.2	<1	<3	<1	<1	<2
	08/27/10	1.8	4.9	<1	3.8	12.8	<1	<2
	06/25/10	1.5	3	<1	<3	29.4	<1	<2
	03/25/10	2.2	4.8	<1	<3	24	<1	<2
	11/05/09	3.1	3.8	<1	3.3	3.4	<1	<2
	08/17/09	2.9	5.6	<1	4.8	7.7	1.4	<2
	06/05/09	5	5	1.4	4.8	33.6	6.4	4.1
	03/24/09	3.8	3.4	3.5	3.1	15.2	13.9	<1
	12/1//08	9.8	6.2	14.2	36.3	11.1	59.8	10.4
	09/30/08	4.9	3.2	12	8.6	15	24	<1
	04/15/08	11	2	71	140	21	54	32
	01/14/08	33	14	220	780	11	130	190
	10/15/07	380	200	1200	3700	70	220	800

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-11	07/10/12	1,340	75.7	690	138	341	106	149
	05/08/12	763	41.2	422	254	323	50.8	106
	04/17/12	MW-11 could not be sampled due to an obstruction.						
	01/12/12	529	31.6	256	132	233	24.8	70.3
	11/09/11	929	46.1	464	219	295	45.3	150
	07/15/11	404	20.2	159	98.4	129	18.2	43.8
	05/09/11	453	20.7	168	107	202	18.4	41.3
	01/28/11	1,370	72.8	548	305	447	57.7	152
	12/20/10	764	38.7	304	153	236	37.5	91.5
	08/27/10	611	28.8	249	178	270	28.7	72.7
	06/25/10	310	16	140	93.7	168	17.3	21.6
	03/25/10	782	42.3		272	449	42.5	113
	11/05/09	921	53.8	457	347	334	50.2	148
	08/17/09	676	37.6	304	321	265	35.4	90.7
	06/05/09	723	34.5	221	254	186	27.6	88.1
	03/24/09	629	40.9	162	238	255	20	63
	12/18/08	480	44.3	341	395	153	30.9	76.4
	09/30/08	730	42	290	300	270	31	97
	04/15/08	750	82	470	780	380	59	160
	01/14/08	580	65	120	450	340	12	62
	10/15/07	1200	140	710	1300	460	120	230

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-12	07/10/12	2.3	<1	<1	<3	84.9	<1	3.8
	04/17/12	6.7	<1	<1	<3	143	1.4	<2
	01/12/12	44.7	<1	<1	<3	298	1.4	<2
	11/08/11	120	1.7	<1	<3	216	10.9	3.7
	07/15/11	76.1	1.2	<1	<3	217	5	4.6
	05/09/11	93.3	1.7	<1	<3	302	6.5	2.5
	01/28/11	89.2	1.2	<1	<3	314	<1	2.2
	12/20/10	14.6	<1	<1	<3	181	<1	<2
	08/27/10	39.7	1.2	<1	3.8	361	<1	<2
	06/25/10	5	<1	<1	<3	159	<1	<2
	03/25/10	<1	1.2	<1	<3	144	<1	<2
	11/05/09	1.7	2	<1	<3	89	<1	<2
	08/17/09	<1	<1	<1	<3	114	<1	<2
	06/05/09	1.6	1.8	1.4	<3	52.5	<1	2.9
	03/24/09	4.3	<1	6.8	5.6	70.9	1.9	6.3
	12/18/08	3.8	3.2	7.8	8.8	31.7	2.5	5.6
	09/30/08	45	17	210	420	75	79	180
MW-13	07/10/12	16.3	<1	<1	<3	209	9.2	3.1
	04/17/12	147	5.3	26.9	10.1	272	12.5	4.7
	01/12/12	<1	<1	<1	<3	125	<1	<2
	11/08/11	<1	<1	<1	<3	74.1	<1	<2
	07/15/11	<1	<1	<1	<3	75.3	<1	<2
	05/09/11	<1	<1	<1	<3	47.8	<1	<2
	01/28/11	<1	<1	<1	<3	1.8	<1	<2
MW-14S	07/10/12	331	17.1	167	72.7	113	23.9	48.4
	04/17/12	288	13.7	128	52.2	105	21.8	36.1
	01/12/12	166	8.2	81	32.9	83.9	14.6	17.2
	11/08/11	278	12.9	125	59.1	91.5	20.6	43.6
	07/15/11	324	18.6	137	76.7	125	24.7	59.5
	05/09/11	269	9.8	52.3	31.7	93.5	13.8	28.3
	01/28/11	36.5	2.3	18.6	9.5	22.1	6.4	5.8

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
MW-15S	07/10/12	132	12.7	44.9	43.6	47	5.3	15.8
	04/17/12	57.9	4.9	12.6	12.6	26.6	2	5.4
	01/12/12	70.6	4.9	17	17.7	31.2	2.3	6.2
	11/08/11	58	3.1	9.4	7.9	17.5	1.5	6.1
	07/15/11	1	<1	<1	<3	1.8	<1	4.1
	05/09/11	5.4	<1	<1	<3	2.4	<1	<2
	01/28/11	14.8	1.4	1.2	3	7.8	<1	<2
MW-16	07/10/12	<1	<1	<1	<3	<1	<1	<2
	04/17/12	<1	<1	<1	<3	<1	<1	<2
	01/12/12	<1	<1	<1	<3	<1	<1	<2
	11/08/11	<1	<1	<1	<3	<1	<1	<2
	07/15/11	<1	<1	<1	<3	<1	<1	<2
	05/09/11	<1	<1	<1	<3	<1	<1	<2
	01/28/11	<1	4.3	1	14.8	<1	<1	<2
MW-17	07/10/12	<1	<1	<1	<3	<1	<1	<2
	04/17/12	<1	<1	<1	<3	<1	<1	<2
	01/12/12	<1	<1	<1	<3	<1	<1	4
	11/08/11	<1	<1	<1	<3	<1	<1	4
	07/15/11	<1	2.8	<1	9.8	<1	<1	<2
	05/09/11	<1	5	<1	5.5	<1	<1	<2
	01/28/11	<1	3.5	1	5.4	<1	<1	<2
RW-1 Recovery well	12/20/10	RW-1 was properly abandoned in September 2010						
	11/14/05	<1	<1	<1	<3	1.2	<1	<1
	07/06/05	<1	<1	<1	<3	<1	<1	<2
	03/24/05	14	78.4	14.4	87.2	1.9	<1	3.8
	12/08/04	<1	<1	<1	<3	<1	<1	<2
	07/07/04	10.7	<1	<1	<3	36.7	<1	<2
	04/09/04	<1	<1	<1	<3	<1	<1	<2
	12/04/03	1.8	<1	<1	<3	105	<1	<2
	02/18/02	<1	<1	<1	<3	<1	<1	<2
	11/26/01	<1	<1	<1	<3	1.1	<1	<2
	07/23/01	<1	<1	<1	<3	2.5	<1	<2
	08/24/00	<1	<1	<1	<3	1.8	<1	<2

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
RW-2		RW-2 was properly abandoned in September 2010						
Recovery well	11/14/05	6.1	<1	<1	<3	7.9	<1	1.1
	07/06/05	324	4.8	15.7	6.6	174	2.9	10.3
	03/24/05	<1	2.8	<1	5.2	10.8	<1	<2
	12/08/04	76.8	<1	<1	<3	133	<1	<2
	07/07/04	1.9	<1	<1	<3	73.7	<1	<2
	12/04/03	1.8	<1	<1	<3	105	<1	<2
	12/04/02	95	10	24	96	195	4.6	11
	09/16/02	66	7.8	14	66	488	<5	<10
	05/15/02	320	<10	15	93	2,380	<10	43
	02/18/02	<1	<1	<1	<3	7.6	<1	<2
	11/26/01	2.0	<1	2.2	37	39	1.2	19
	07/24/01	30	2.8	6.8	33	714	<1	<2
	08/24/00	53	<5	23	22	1,930	<5	<10

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
DW-1	12/10/10	DW-1 was properly abandoned in September 2010						
	11/14/05	Well was paved over - not sampled.						
	07/07/04	<1	<1	<1	<3	<1	<1	<2
	04/09/04	<1	<1	<1	<3	<1	<1	<2
	12/04/03	<1	<1	<1	<3	<1	<1	<2
	09/16/02	<1	<1	<1	<3	<1	<1	<2
	05/15/02	<1	<1	2.5	<3	<1	<1	<2
	02/18/02	2.2	1.6	7.0	3.4	<1	<1	<2
	11/26/01	2.9	<1	<1	<3	<1	<1	2.0
	08/28/01	3.2	3.9	<1	14	<1	<1	2.0
SVE-1	12/10/10	SVE-1 was properly abandoned in September 2010						
	11/14/05	Well was not sampled.						
	03/24/05	<1	<1	<1	<3	<1	<1	<2
	12/08/04	324	16.3	50.0	49.7	131	4.3	12.9
	04/09/04	431	16.6	27.0	78.5	203	8.8	26.6
	12/04/03	114	7.2	18.9	11.0	70.1	1.6	3.4
	09/16/03	4.2	2.5	<1	21.8	2.5	2.3	<2
SVE-2	12/10/10	SVE-2 was properly abandoned in September 2010						
	11/14/05	57	1.5	<1	<3	45	1.3	<1
	07/06/05	622	10.5	180	36.7	225	9.4	35.4
	03/24/05	1.3	3.1	1.5	7.0	<1	<1	2.2
	12/08/04	304	22.6	63.8	82.6	113	4.4	15.0
	07/07/04	41.4	3.2	2.5	10.0	53.6	<1	<2
	04/09/04	356	41.6	42.6	126	279	7.6	19.4
	12/04/03	185	66.2	23.4	135	321	2.3	7.7
	09/16/03	9.1	3.6	<1	21.7	4.7	2.3	<2
	04/29/03	263	16.7	54.7	55.5	403	5.5	17.2
	12/04/02	1,490	243	144	453	745	<20	48
	09/16/02	719	82	65	290	1,190	<20	41
	05/15/02	850	196	182	783	2,320	27	60
	02/18/02	575	119	47	532	9,400	3.1	15
	11/26/01	<1	<1	<1	<3	6.2	<1	<2
	07/24/01	251	57	117	325	1,740	17	27
	08/24/00	3,890	1,840	766	7,750	28,900	60	268

TABLE 3
HISTORICAL GROUNDWATER ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample ID	Date	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE (µg/l)	Cumene (µg/l)	Naphthalene (µg/l)
SVE-3	12/10/10	SVE-3 was properly abandoned in September 2010						
	11/14/05	Well was not sampled.						
	03/24/05	<1	1.4	<1	3.6	<1	<1	<2
	12/08/04	579	58.0	136	226	190	10.9	38.6
	07/07/04	196	9.4	6.1	12.6	258	<1	2.4
	04/09/04	630	77.8	145	239	318	15.4	53.2
	12/04/03	200	18.6	43.8	50.6	173	3.9	14.8
	09/16/03	31.5	4.5	17.3	29.4	4.1	3.1	<2
	04/29/03	258	29.3	89.6	102	366	8.8	32.3
	12/04/02	794	166	107	337	364	14	36
	09/16/02	1,990	207	216	847	3,480	22	146
	05/15/02	414	26	60	200	51	14	75
	02/18/02	311	11	11	106	109	3.5	30
	11/26/01	781	<20	<20	135	4,770	<20	<40
	08/24/00	671	47	416	547	140	26	138
AS-1 Air Sparge well	12/10/10	AS-1 was properly abandoned in September 2010						
	11/14/05	1	<1	<1	<3	6.3	<1	2.4
	08/23/00	Well was not sampled.						
AS-2 Air Sparge well	12/10/10	AS-2 was properly abandoned in September 2010						
	11/14/05	<1	<1	<1	<3	130	<1	<1
	07/06/05	<1	<1	<1	<3	155	<1	<2
	07/07/04	7.6	1.1	<1	<3	85.4	<1	<2
	08/24/00	<1	<1	<1	<3	55.0	<1	<2
Medium Specific Concentrations*		**5**	**1,000**	**700**	**10,000**	**20**	**840**	**100**

Notes:
Shaded cells indicate concentrations in excess of the PADEP Statewide Health Standards.
* The Medium Specific Concentrations (MSCs) listed above are the PADEP Statewide Health Standards for residential used aquifers.
µg/l - micrograms per liter
MTBE - methyl tertiary butyl ether

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-1	05/12/06	Well destroyed - not measured		
MW-2	MW-2 Abandoned In September 2010			
(40.75/25)	08/27/10	1,241.55	37.53	1,204.02
[4]	06/25/10	1,241.55	20.24	1,221.31
	03/25/10	1,241.55	22.90	1,218.65
	11/05/09	1,241.55	37.72	1,203.83
	08/17/09	1,241.55	37.11	1,204.44
	06/05/09	1,241.55	28.52	1,213.03
	03/24/09	1,241.55	37.41	1,204.14
	12/18/08	1,241.55	37.33	1,204.22
	09/30/08	1,241.55	37.70	1,203.85
	04/15/08	1,241.55	33.48	1,208.07
	01/14/08	1,241.55	36.44	1,205.11
	10/15/07	1,241.55	37.70	1,203.85
	06/06/07	499.11	37.70	461.41
	05/22/07	499.11	37.49	461.62
	05/14/07	499.11	37.40	461.71
	05/12/07	499.11	37.47	461.64

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-3*	07/10/12	1,235.72	21.09	1,214.63
(36/20)	04/17/12	1,235.72	1.40	1,234.32
[4]	01/12/12	1,235.72	0.61	1,235.11
	11/08/11	1,235.72	1.44	1,234.28
	07/15/11	1,235.72	1.15	1,234.57
	05/09/11	1,235.72	0.91	1,234.81
	01/28/11	1,235.72	NG	--
	12/20/10	1,237.88	14.52	1,223.36
	08/27/10	1,237.88	19.38	1,218.50
	06/25/10	1,237.88	15.12	1,222.76
	03/25/10	1,237.88	1.33	1,236.55
	11/05/09	1,237.88	14.69	1,223.19
	08/17/09	1,237.88	14.32	1,223.56
	06/05/09	1,237.88	8.55	1,229.33
	03/24/09	1,237.88	15.39	1,222.49
	12/18/08	1,237.88	0.99	1,236.89
	09/30/08	1,237.88	19.01	1,218.87
	04/15/08	1,237.88	13.75	1,224.13
	01/14/08	1,237.88	9.89	1,227.99
	10/15/07	1,237.88	19.19	1,218.69
	06/06/07	495.80	21.45	474.35
	05/22/07	495.80	16.46	479.34
	05/14/07	495.80	17.46	478.34
	05/12/07	495.80	12.86	482.94

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-4*	07/10/12	1,233.65	36.33	1,197.32
(50.75/20)	04/17/12	1,233.65	35.30	1,198.35
[4]	01/12/12	1,233.65	34.75	1,198.90
	11/08/11	1,233.65	34.98	1,198.67
	07/15/11	1,233.65	35.09	1,198.56
	05/09/11	1,233.65	34.48	1,199.17
	01/28/11	1,233.65	35.06	1,198.59
	12/20/10	1,236.13	35.01	1,201.12
	08/27/10	1,236.13	35.53	1,200.60
	06/25/10	1,236.13	34.96	1,201.17
	03/25/10	1,236.13	34.43	1,201.70
	11/05/09	1,236.13	35.04	1,201.09
	08/17/09	1,236.13	35.02	1,201.11
	06/05/09	1,236.13	34.62	1,201.51
	03/24/09	1,236.13	35.59	1,200.54
	12/18/08	1,236.13	35.19	1,200.94
	09/30/08	1,236.13	35.46	1,200.67
	04/15/08	1,236.13	34.71	1,201.42
	01/14/08	1,236.13	34.32	1,201.81
	10/15/07	1,236.13	35.62	1,200.51
	06/06/07	493.70	34.97	458.73
	05/22/07	493.70	34.81	458.89
	05/14/07	493.70	34.78	458.92
	05/12/07	493.70	34.66	459.04
MW-5	11/14/05	Well destroyed - not measured		

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-6*	07/10/12	1,229.13	28.92	1,200.21
(46/20)	04/17/12	1,229.13	28.36	1,200.77
[4]	01/12/12	1,229.13	27.47	1,201.66
	11/08/11	1,229.13	27.62	1,201.51
	07/15/11	1,229.13	27.95	1,201.18
	05/09/11	1,229.13	27.48	1,201.65
	01/28/11	1,229.13	28.26	1,200.87
	12/20/10	1,231.64	27.66	1,203.98
	08/27/10	1,231.64	28.70	1,202.94
	06/25/10	1,231.64	27.84	1,203.80
	03/25/10	1,231.64	27.29	1,204.35
	11/05/09	1,231.64	27.79	1,203.85
	08/17/09	1,231.64	27.85	1,203.79
	06/05/09	1,231.64	27.37	1,204.27
	03/24/09	1,231.64	28.04	1,203.60
	12/18/08	1,231.64	27.66	1,203.98
	09/30/08	1,231.64	27.75	1,203.89
	04/15/08	1,231.64	27.40	1,204.24
	01/14/08	1,231.64	28.29	1,203.35
	10/15/07	1,231.64	28.10	1,203.54
	06/06/07	489.19	28.07	461.12
	05/22/07	489.19	28.09	461.10
	05/14/07	489.19	27.85	461.34
	05/12/07	489.19	27.63	461.56

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-7*	07/10/12	1,241.99	44.63	1,197.36
(50/15)	04/17/12	1,241.99	44.65	1,197.34
[2]	01/12/12	1,241.99	44.61	1,197.38
	11/08/11	1,241.99	44.62	1,197.37
	07/15/11	1,241.99	44.13	1,197.86
	05/09/11	1,241.99	44.66	1,197.33
	01/28/11	1,241.99	44.58	1,197.41
	12/20/10	1,244.14	44.71	1,199.43
	08/27/10	1,244.14	44.79	1,199.35
	06/25/10	1,244.14	41.42	1,202.72
	03/25/10	1,244.14	44.07	1,200.07
	11/05/09	1,244.14	44.52	1,199.62
	08/17/09	1,244.14	44.62	1,199.52
	06/05/09	1,244.14	44.49	1,199.65
	03/24/09	1,244.14	44.61	1,199.53
	12/18/08	1,244.14	44.41	1,199.73
	09/30/08	1,244.14	44.62	1,199.52
	04/15/08	1,244.14	44.17	1,199.97
	01/14/08	1,244.14	44.14	1,200.00
	10/15/07	1,244.14	44.74	1,199.40
	06/06/07	502.06	45.02	457.04
	05/22/07	502.06	46.25	455.81
	05/14/07	502.06	44.34	457.72
	05/12/07	502.06	38.75	463.31

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-8*	07/10/12	1,236.95	38.55	1,198.40
(51/15)	04/17/12	1,236.95	37.57	1,199.38
[2]	01/12/12	1,236.95	36.80	1,200.15
	11/08/11	1,236.95	37.10	1,199.85
	07/15/11	1,236.95	37.11	1,199.84
	05/09/11	1,236.95	36.58	1,200.37
	01/28/11	1,236.95	37.31	1,199.64
	12/20/10	1,239.09	37.23	1,201.86
	08/27/10	1,239.09	37.75	1,201.34
	06/25/10	1,239.09	37.18	1,201.91
	03/25/10	1,239.09	36.49	1,202.60
	11/05/09	1,239.09	37.25	1,201.84
	08/17/09	1,239.09	37.23	1,201.86
	06/05/09	1,239.09	36.65	1,202.44
	03/24/09	1,239.09	37.82	1,201.27
	12/18/08	1,239.09	37.58	1,201.51
	09/30/08	1,239.09	37.84	1,201.25
	04/15/08	1,239.09	36.94	1,202.15
	01/14/08	1,239.09	36.75	1,202.34
	10/15/07	1,239.09	38.13	1,200.96
	06/06/07	497.01	37.33	459.68
	05/22/07	497.01	37.14	459.87
	05/14/07	497.01	37.07	459.94
	05/12/07	497.01	25.82	471.19

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-9	MW-9 Abandoned In September 2010			
(55/15)	08/27/10	1,239.09	38.45	1,200.64
[2]	06/25/10	1,239.09	37.96	1,201.13
	03/25/10	1,239.09	37.23	1,201.86
	11/05/09	1,239.09	37.92	1,201.17
	08/17/09	1,239.09	37.97	1,201.12
	06/05/09	1,239.09	37.35	1,201.74
	03/24/09	1,239.09	38.61	1,200.48
	12/18/08	1,239.09	37.92	1,201.17
	09/30/08	1,239.09	38.57	1,200.52
	04/15/08	1,239.09	37.62	1,201.47
	01/14/08	1,239.09	37.23	1,201.86
	10/15/07	1,239.09	38.72	1,200.37
	06/06/07	497.01	37.99	459.02
	05/22/07	497.01	37.80	459.21
	05/14/07	497.01	37.43	459.58
	05/12/07	497.01	37.89	459.12
MW-10*	07/10/12	1,239.23	39.80	1,199.43
(50/15)	04/17/12	1,239.23	38.28	1,200.95
[2]	01/12/12	1,239.23	33.94	1,205.29
	11/08/11	1,239.23	34.77	1,204.46
	07/15/11	1,239.23	33.04	1,206.19
	05/09/11	1,239.23	31.49	1,207.74
	01/28/11	1,239.23	36.52	1,202.71
	12/20/10	1,241.32	36.95	1,204.37
	08/27/10	1,241.32	33.13	1,208.19
	06/25/10	1,241.32	31.82	1,209.50
	03/25/10	1,241.32	38.72	1,202.60
	11/05/09	1,241.32	39.53	1,201.79
	08/17/09	1,241.32	38.98	1,202.34
	06/05/09	1,241.32	38.49	1,202.83
	03/24/09	1,241.32	39.12	1,202.20
	12/18/08	1,241.32	39.86	1,201.46
	09/30/08	1,241.32	39.96	1,201.36
	04/15/08	1,241.32	38.78	1,202.54
	01/14/08	1,241.32	39.24	1,202.08
	10/15/07	1,241.32	38.54	1,202.78

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-11*	07/10/12	1,236.68	37.18	1,199.50
(50/15)	04/17/12	1,236.68	36.62	1,200.06
[2]	01/12/12	1,236.68	36.53	1,200.15
	11/08/11	1,236.68	36.68	1,200.00
	07/15/11	1,236.68	37.14	1,199.54
	05/09/11	1,236.68	36.73	1,199.95
	01/28/11	1,236.68	37.17	1,199.51
	12/20/10	1,238.82	37.24	1,201.58
	08/27/10	1,238.82	37.69	1,201.13
	06/25/10	1,238.82	37.27	1,201.55
	03/25/10	1,238.82	36.39	1,202.43
	11/05/09	1,238.82	36.93	1,201.89
	08/17/09	1,238.82	36.81	1,202.01
	06/05/09	1,238.82	36.44	1,202.38
	03/24/09	1,238.82	36.92	1,201.90
	12/18/08	1,238.82	37.25	1,201.57
	09/30/08	1,238.82	37.13	1,201.69
	04/15/08	1,238.82	37.12	1,201.70
	01/14/08	1,238.82	37.13	1,201.69
	10/15/07	1,238.82	37.17	1,201.65
MW-12*	07/10/12	1,237.47	40.91	1,196.56
(50/20)	04/17/12	1,237.47	39.60	1,197.87
[2]	01/12/12	1,237.47	38.41	1,199.06
	11/08/11	1,237.47	39.25	1,198.22
	07/15/11	1,237.47	39.53	1,197.94
	05/09/11	1,237.47	37.35	1,200.12
	01/28/11	1,237.47	38.83	1,198.64
	12/20/10	1,239.92	38.69	1,201.23
	08/27/10	1,239.92	38.15	1,201.77
	06/25/10	1,239.92	37.71	1,202.21
	03/25/10	1,239.92	39.54	1,200.38
	11/05/09	1,239.92	40.56	1,199.36
	08/17/09	1,239.92	39.96	1,199.96
	06/05/09	1,239.92	39.63	1,200.29
	03/24/09	1,239.92	40.16	1,199.76
	12/18/08	1,239.92	38.89	1,201.03
	09/30/08	1,239.92	40.43	1,199.49

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-13*	07/10/12	1,230.77	33.59	1,197.18
	04/17/12	1,230.77	33.10	1,197.67
	01/12/12	1,230.77	33.02	1,197.75
	11/08/11	1,230.77	33.11	1,197.66
	07/15/11	1,230.77	32.99	1,197.78
	05/09/11	1,230.77	32.23	1,198.54
	01/28/11	1,230.77	33.06	1,197.71
MW-14S*	07/10/12	1,231.26	15.69	1,215.57
	04/17/12	1,231.26	13.83	1,217.43
	01/12/12	1,231.26	12.35	1,218.91
	11/08/11	1,231.26	12.65	1,218.61
	07/15/11	1,231.26	14.48	1,216.78
	05/09/11	1,231.26	12.53	1,218.73
	01/28/11	1,231.26	14.87	1,216.39
MW-15S*	07/10/12	1,232.90	16.74	1,216.16
	04/17/12	1,232.90	14.92	1,217.98
	01/12/12	1,232.90	13.45	1,219.45
	11/08/11	1,232.90	13.55	1,219.35
	07/15/11	1,232.90	16.24	1,216.66
	05/09/11	1,232.90	14.27	1,218.63
	01/28/11	1,232.90	16.83	1,216.07
MW-16*	07/10/12	1,233.64	46.85	1,186.79
	04/17/12	1,233.64	45.58	1,188.06
	01/12/12	1,233.64	44.11	1,189.53
	11/08/11	1,233.64	45.44	1,188.20
	07/15/11	1,233.64	46.33	1,187.31
	05/09/11	1,233.64	44.71	1,188.93
	01/28/11	1,233.64	35.76	1,197.88

TABLE 2
MONITOR WELL GAUGING DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Well ID	Date	TOC Elevation (ft-msl)	GW Depth (ft)	GW Elevation (ft-msl)
MW-17*	04/17/12	1,231.48	40.00	1,191.48
	04/17/12	1,231.48	39.44	1,192.04
	01/12/12	1,231.48	39.40	1,192.08
	11/08/11	1,231.48	39.28	1,192.20
	07/15/11	1,231.48	39.38	1,192.10
	05/09/11	1,231.48	38.78	1,192.70
	01/28/11	1,231.48	39.46	1,192.02

Notes:

TOC	top of casing
GW	groundwater
ft-msl	feet above mean sea level
(40.75/25)	total depth of well from grade / screen length (feet)
[4]	monitor well diameter (inches)
NG	not gauged due to snow pile

1. Elevations are based on arbitrary survey data from RETTEW Associates, Inc.
2. Letterle & Associates, LLC resurveyed all monitor wells after the installation of MW-10 and MW-11. The corrected elevations start 10/15/07.
feet TOC - feet below top of inner casing
3. *Monitor wells MW-3, MW-4, MW-6, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17 were professionally surveyed following installation of MW-13 through MW-17. The corrected elevations start 1/28/11.

TABLE 3
SOIL VAPOR ANALYTICAL DATA
Former Route 119 Amoco
Dunbar, Pennsylvania

Sample	Date	Benzene (mg/m^3)	Toluene (mg/m^3)	Ethylbenzene (mg/m^3)	Xylenes (mg/m^3)	MTBE (mg/m^3)	Cumene (mg/m^3)	Naphthalene (mg/m^3)
VP-1	06/21/10	0.00747	0.0935	0.0115	0.0525	<0.0032	<0.0043	<0.0046
	04/15/10	<0.22	<0.25	<0.29	<0.88	<0.24	<0.33	<0.35
	08/31/06	Not sampled						
	05/08/06	<0.227	<0.268	<0.309	<0.309	<0.257	<0.35	<0.373
VP-2	06/21/10	<0.057	<0.067	0.15	<0.227	<0.064	<0.087	<0.093
	04/15/10	<0.22	<0.25	<0.29	<0.88	<0.24	<0.33	<0.35
	08/31/06	8.82	<0.268	<0.309	0.309	<0.257	<0.35	<0.373
	05/08/06	40.4	7.7	<0.309	<0.309	<0.257	<0.35	<0.373
VP-3	06/21/10	0.0101	0.0847	<0.0066	<0.0234	<0.0055	<0.0075	<0.008
	04/15/10	<0.18	0.277	<0.25	<0.74	<0.2	<0.28	<0.3
	08/31/06	Not sampled						
	05/08/06	<0.227	0.268	<0.309	0.44	<0.257	<0.35	<0.373
VP-4	06/21/10	<0.045	<0.053	<0.061	0.181	<0.051	<0.069	<0.073
	04/15/10	<0.015	<0.018	<0.02	<0.061	<0.017	<0.023	<0.024
	06/05/09	0.0143	0.0368	0.0331	0.2173	<0.018	<0.012	0.0197
	02/17/09	0.0422	0.0981	0.0274	0.135	<0.007	<0.0048	0.0261

Residential MSC (mg/m^3)[1]	0.27	56	1.9	14	8.1	54	0.42
Non-Residential MSC (mg/m^3)[1]	1.1	120	73	30	31	110	0.88

Notes:
MTBE - methyl tertiary butyl ether
(1) Transfer Factor of 0.01 applied to the Indoor Air Quality MSC per PADEP Technical Guidance Manual.

Table 1
Historical Soil Sampling Results

Former Dunbar Amoco
1809 University Drive (PA Route 119)
Dunbar Township, Fayette County, PA 15431
PaDEP Facility ID #26-18711
USTIF Claim #1996-0116(F)

1997 Site Characterization Activities

Boring Location	Sample Depth (fbg)	Sample Date	Lab Sample ID	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes (Total)	Isopropylbenzene	Naphthalene	Benzo(a)anthracene	Benzo(a)pyrene
A1	4	05/15/97	A1-4'	26.9	9.14	13.7	4.69	12.4	<2.50	49.8	102	62.3
	8	05/15/97	A1-8'	137	137	110	330	572	49.3	265	<20.0	<20.0
A2	4	05/15/97	A2-4'	28.3	2.66	38.5	3.45	21.5	<2.50	20.7	<20.0	<20.0
	8	05/15/97	A2-8'	66.3	13.9	110	6.21	43.0	<2.50	54.0	<20.0	<20.0
A3	4	05/15/97	A3-4'	47.5	7.26	84.2	4.47	65.5	<2.50	43.4	<20.0	<20.0
	6.5	05/15/97	A3-6.5'	93.3	20.9	243	16.5	101	<2.50	2.65	<20.0	<20.0
A4	4	05/15/97	A4-4'	760	202	439	47.9	272	<2.50	5.85	<20.0	<20.0
	6.5	05/15/97	A4-6.5'	79.3	32.2	174	22.1	50.0	4.08	3.08	<20.0	<20.0
A5	4	05/15/97	A5-4'	205	450	317	281	594	21.2	51.1	<20.0	<20.0
	6.5	05/15/97	A5-6.5'	258	268	102	279	259	18.2	16.2	<20.0	<20.0
A6	4	05/15/97	A6-4'	1,840	732	383	497	614	140	187	62.2	58.2
	6.5	05/15/97	A6-6.5'	125	215	227	356	779	62.3	465	<20.0	<20.0
A7	4	05/15/97	A7-4'	**3,450**	38.0	862	433	2,032	78.5	1,140	<20.0	<20.0
	6.5	05/15/97	A7-6.5'	**2,980**	823	2,210	1,370	4,510	975	1,920	<20.0	<20.0
A8	4	05/15/97	A8-4'	**3,380**	22.6	4,590	4,010	12,840	1,990	6,800	269	49.9
	7	05/15/97	A8-7'	1,590	343	846	413	1,430	137	706	60.1	52.9
A9	4	05/15/97	A9-4'	**3,540**	43.7	5,030	3,300	11,510	1,100	6,510	<20.0	<20.0
	6	05/15/97	A9-6'	1,430	351	579	424	1,420	111	681	63.0	58.7
A10	4	05/15/97	A10-4'	51.6	8.24	175	25.2	218	<2.50	34.0	<20.0	<20.0
	7	05/15/97	A10-7'	75.8	319	360	489	1,125	107	240	129	112
A11	4	05/15/97	A11-4'	138	354	4,110	5,430	14,910	4,050	7,360	86.1	62.9
	6	05/15/97	A11-6'	116	321	454	431	1,607	148	718	<20.0	<20.0
A12	10	05/15/97	A12-10'	21.9	209	601	449	1,148	191	641	<20.0	43.9
SB1	6	8/28/97	SB1-6'	<2.50	<2.50	2.72	<2.50	<5.00	<2.50	2.53	<20.0	<20.0
SB2	5	8/28/97	SB2-5'	10.6	6.87	18.0	78.8	185.9	7.88	5.98	<20.0	<20.0
SB3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB4	6	08/28/97	SB4-6'	12.93	8.16	9.08	<2.50	<5.00	<2.50	17.0	<20.0	<20.0
	8.5	08/28/97	SB4-8.5'	7.50	5.38	<2.50	<2.50	<5.00	<2.50	18.7	168	27.6

2005 UST Closure Activities

Sample Location	Sample Depth (fbg)	Sample Date	Lab Sample ID	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes (Total)	Isopropylbenzene	Naphthalene	Benzo(a)anthracene	Benzo(a)pyrene
PL-1	NR	01/26/05	Q0501346-001A	<525	13,000	1,000,000	48,000	220,000	11,000	18,000	NA	NA
D-1	NR	01/25/05	Q0501346-004A	<45.5	<45.5	<45.5	<45.5	<91.0	<45.5	<45.5	NA	NA
D-2	NR	01/26/05	Q0501346-003A	<51.5	<51.5	360	1,400	1,400	360	1,700	NA	NA
D-3	NR	01/26/05	Q0501346-002A	<49	<49	<49	<49	700	<50	350	NA	NA
SW-1	NR	01/21/05	Q0501299-001A	<0.5	<10	<10	53	100	<50	<50	NA	NA
SW-2	NR	01/21/05	Q0501299-002A	<0.5	<10	<10	36	77	<50	<50	NA	NA

Table 1 (Continued)
Historical Soil Sampling Results

Former Dunbar Amoco
1809 University Drive (PA Route 119)
Dunbar Township, Fayette County, PA 15431
PaDEP Facility ID #26-18711
USTIF Claim #1996-0116(F)

2006 - 2010 Site Characterization Activiites

Boring Location	Sample Depth (fbg)	Sample Date	Lab Sample ID	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes (Total)	Isopropylbenzene	Naphthalene	Benzo(a)anthracene	Benzo(a)pyrene
GB-1	6-7	05/08/06	SB-1 (GB-1)	<6.7	160	170	8600	780	280	6,800	NA	NA
GB-2	4-6	05/08/06	SB-2 (GB-2)	<7.6	49	100	15,000	570	340	13,000	NA	NA
GB-3	6-8	05/08/06	SB-3 (GB-3)	<5.9	94	280	2,400	5,900	180	950	NA	NA
MW-9	5-7	05/05/06	MW-9 (GB-4)	26	280	210	360	620	48	82	NA	NA
GB-5	?	05/08/06	GB-5/SS-3	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	NA	NA
GB-6	5	05/08/06	GB-6-6/5'	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5	NA	NA
GB-7	4	05/08/06	GB-7/4'	<5.8	22	14	<5.8	<5.8	<5.8	<5.8	NA	NA
GB-8	5	05/08/06	GB-8/5'	8.1	170	87	3,900	17,000	75	280	NA	NA
GB-9	5	05/08/06	GB-9/5'	14	120	90	79	180	56	74	NA	NA
GB-10	6-7	05/09/06	SS-4/6'-7'	<5.4	25	48	1,700	12,000	330	3,100	NA	NA
GB-11	4-6	05/09/06	SS-3/4'-6'	16	110	95	290	510	81	350	NA	NA
GB-12	2-4	05/09/06	SS-2/2'-4'	100	130	150	300	190	160	390	NA	NA
GB-13	2-4	05/09/06	SS-2/2'-4'	23	61	70	86	41	17	35	NA	NA
GB-14	0-2	05/09/06	SS-1/0'-2'	<5.6	**2,000**	**290,000**	54,000	390,000	11,000	**31,000**	NA	NA
GB-15	4-6	05/09/06	SS-3/4'-6'	<5.3	280	50	3,200	6,200	76	270	NA	NA
GB-16	4-6	05/09/06	SS-3/4'-6'	<5.4	180	270	6,500	33,000	270	4,800	NA	NA
GB-17	2-4	05/09/06	SS-2/2'-4'	<5.5	<5.5	<5.5	29	100	26	1,200	NA	NA
GB-18	0-2	05/09/06	SS-1/0'-2'	<5.7	<5.7	<5.7	<5.7	8.1	<5.7	10	NA	NA
GB-19	4-6	05/09/06	SS-3/4'-6'	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	NA	NA
SB-10/MW-10	2-4	10/10/07	SS-2/2'-4'	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7	NA	NA
SB-11/MW-11	2-4	10/09/07	SS-2/2'-4'	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	<5.6	NA	NA
SB-13/VP-4	6-7	02/17/09	SS-4/6'-7'	<4.8	<4.8	<4.8	<4.8	<14.5	<4.8	<4.8	NA	NA

PaDEP Act 2 MSCs : Residential, Used Aquifer Soil-to-Groundwater (Unsaturated; TDS ≤ 2,500 mg/L)	**2,000**	**500**	**100,000**	**70,000**	**1,000,000**	**600,000**	**10,000**	**25,000**	**46,000**
Direct Contact Numeric Values: Residential (0 - 15 feet)	**620,000**	**57,000**	**10,000,000**	**10,000,000**	**1,900,000**	**7,700,000**	**4,400,000**	**5,700**	**570**

Notes:

All concentrations in above table are in micrograms per kilogram (µg/kg).
PaDEP = Pennsylvania Department of Environmental Protection.
USTIF = Underground Storage Tank Indemnification Fund.
fbg = Feet below grade.
MSC = Medium-Specific Concentrations.
All soil samples were unsaturated.
NA= Not analyzed

mg/L = Milligrams per liter.
TDS = Total dissolved solids.
MTBE = Methyl tertiary butyl ether.
Bolded concentration is greater than the applicable MSC.
? = Sampling depth not indicated.
NR= Not reported.
NS = Not sampled.

Table 1
Well Construction Details
(Bedrock Groundwater Monitoring Wells)

Former Route 119 Amoco
1809 University Drive
Dunbar, Fayette County, Pennsylvania 15431
PaDEP Facility ID No. 26-18711
USTIF Claim No. 1996-0116(F)

Well Designation/ Location	Consultant Oversight	Date Drilled/Installed	Borehole Diameter (inches)	Well Diameter (inches)	Well Depth (fbg)	Well Depth Elevation (famsl)*	Ground Surface Elevation (famsl)*	Top of PVC Casing Elevation (famsl)*	Screened Interval (fbg)	Screened Interval Elevation (famsl)	Top of Bedrock Elevation (famsl)	Top of Shale 1 Elevation (famsl)	Bottom of Shale 1 Elevation (famsl)	Top of Coal Elevation (famsl)	Bottom of Coal Elevation (famsl)	Top of Siltstone Elevation (famsl)	Bottom of Siltstone Elevation (famsl)	Top of Shale 2 Elevation (famsl)	Bottom of Shale 2 Elevation (famsl)
MW-1	Chambers	08/29/97	8/6	4	35.5	1,206.69	1,242.44	1,242.19	15.5 - 35.5	1,226.94-1,206.94	1,234.44	1,234.44	BWD	BWD	BWD	BWD	BWD	BWD	BWD
MW-2	Chambers	08/29/97	8/6	4	40.75	1,200.80	1,241.80	1,241.55	15.75 - 40.75	1,226.05-1,201.05	1,233.80	1,233.80	BWD	BWD	BWD	BWD	BWD	BWD	BWD
MW-3	Chambers	08/29/97	8/6	4	36	1,199.72	1,235.97	1,235.72	16 - 36	1,219.97-1,199.97	1,227.97	1,227.97	BWD	BWD	BWD	BWD	BWD	BWD	BWD
MW-4	Chambers	08/29/97	8/6	4	50.75	1,182.90	1,233.90	1,233.65	30.75 - 50.75	1,203.15-1,183.15	1,111.90	1,111.90	BWD	BWD	BWD	BWD	BWD	BWD	BWD
MW-5	Chambers	11/04/97	10/6	4	45.5	1,192.69	1,238.44	1,238.19	25.5 - 45.5	1,212.94-1,192.94	1,228.44	1,228.44	BWD	BWD	BWD	BWD	BWD	BWD	BWD
MW-6	Chambers	11/04/97	10/6	4	46	1,183.13	1,229.38	1,229.13	26 - 46	1,203.38-1,183.38	1,221.38	1,221.38	BWD	BWD	BWD	BWD	BWD	BWD	BWD
DW-1	RETTEW	07/27/01	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	Letterle	05/04/06	6	2	50	1,191.99	1,242.24	1,241.99	35 - 50	1,207.24-1,192.24	1,232.24	1,232.24	1,217.24	1,217.24	1,216.24	1,216.24	1,196.24	1,196.24	BWD
MW-8	Letterle	05/08/06	6	2	51	1,185.95	1,237.20	1,236.95	36 - 51	1,201.20-1,186.20	1,232.20	1,226.20	1,214.20	N/A	N/A	1,214.20	1,212.20	1,212.20	BWD
MW-9	Letterle	05/05/06	6	2	55	1,184.09	1,239.34	1,239.09	40 - 55	1,199.34-1,184.34	1,234.34	1,234.34	1,196.84	1,196.84	1,194.84	1,194.84	BWD	NA	NA
MW-10	Letterle	10/09/07	4	2	50	1,189.23	1,239.48	1,239.23	35 - 50	1,204.48-1,189.48	1,232.98	1,232.98	1,192.48	1,192.48	BWD	NA	NA	NA	NA
MW-11	Letterle	10/09/07	4	2	50	1,186.68	1,236.93	1,236.68	35 - 50	1,201.93-1,186.93	1,230.43	1,230.43	1,188.93	NA	NA	1,188.93	1,186.93	NA	NA
MW-12	Letterle	12/28/10	6	2	50	1,187.47	1,237.72	1,237.47	30 - 50	1,207.72-1,187.72	1,234.72	1,225.72	1,197.47	1,197.47	1,192.47	1,192.47	BWD	NA	NA
MW-13	Letterle	12/28/10	6	2	50	1,180.77	1,231.02	1,230.77	30 - 50	1,201.02-1,181.02	1,228.02	1,228.02	1,192.52	1,192.52	1,190.52	1,190.52	BWD	NA	NA
MW-14S	Letterle	12/28/10	6.25	2	30	1,201.26	1,231.51	1,231.26	15 - 30	1,216.51-1,201.51	1,223.51	1,223.51	1,204.51	N/A	N/A	1,204.51	BWD	NA	NA
MW-15S	Letterle	12/28/10	6.25	2	30	1,202.90	1,233.15	1,232.90	15 - 30	1,218.15-1,203.15	1,224.15	1,224.15	1,209.15	N/A	N/A	1,209.15	BWD	NA	NA
MW-16	Letterle	12/29/10	6	2	60	1,173.64	1,233.89	1,233.64	45 - 60	1,188.89-1,173.89	1,224.89	1,224.89	1,219.89	N/A	N/A	1,219.89	1,192.89	1,192.89	BWD
MW-17	Letterle	12/29/10	6	2	55	1,176.48	1,231.73	1,231.48	40 - 55	1,191.73-1,176.73	1,223.73	1,223.73	1,187.73	1,187.73	1,183.73	1,183.73	BWD	NA	NA

Notes:
fbg = Feet below grade.
famsl = Feet above mean sea level.
* = Elevations based on arbitrary datum of 500 famsl from RETTEW Associates, Inc. report.
NA = Not available.
BWD = Below well depth.