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Transmittal Letter

To:
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Public Health Specialist
NYSDOH
Bureau of Environmental Exposure Investigation
Flanigan Square, Room 300
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Troy, NY 12180-2216

Copies:
Alicia Barraza, NYSDEC
Ramon Simon, Bayer MaterialScience LLC (w/o attachment)

From:
John C. Brussel, P.E.

Date:
March 13, 2009

Subject:
Bayer MaterialScience LLC
125 New South Road – Hicksville, NY
Phase III Soil Vapor Investigation

ARCADIS Project No.:
B0032305.0001.00006 #5

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☐ Prints ☐ Samples ☐ Copy of Letter ☒ Reports
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Copies	Date	Drawing No.	Rev.	Description	Action*
1	--	--	--	Data Usability Summary Report	FA
1	--	--	--	Updated Soil Vapor and Ambient Air Analytical Results Data Tables	FA

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Comments: Please find the attached Data Usability Summary Report and data tables that have been updated to reflect the validation of the Phase III soil vapor investigation analytical data.

TABLE 1
SOIL VAPOR AND AMBIENT AIR ANALYTICAL RESULTS FOR DETECTED VOCs (µg/m^3)

PHASE 3 SOIL VAPOR INVESTIGATION SUMMARY
BAYER MATERIALSCIENCE LLC
125 NEW SOUTH ROAD
HICKSVILLE, NEW YORK

Sampling Location: / Sample Depth: / Date Collected:	NYSDOH Indoor Air Guidance Value (Exceedences Shown via Shading)	USEPA 90th Percentile Background Levels (µg/m^3)		Ambient Air Analytical Results (µg/m^3)				Soil Vapor Analytical Results (µg/m^3)								
		Indoor Air (Exceedences Shown via Bold)	Outdoor Air (Exceedences Shown via Italics)	AMBIENT 06/13/08	UW 09/20/07	DW 09/18/07	UW 02/11/09	SG-1 (5.0-5.5') 09/20/07	SG-2 (5.0-5.5') 09/19/07	SG-3 (5.0-5.5') 09/24/07	SG-4 (5.0-5.5') 09/18/07	SG-5 (5.0-5.5') 09/21/07	SG-6 (5.0-5.5') 09/18/07	SG-7 (5.0-5.5') 09/18/07	SG-8 (5.0-5.5') 09/24/07	SG-9 (15.0-15.5') 09/25/07
1,2,4-Trimethylbenzene	- -	9.5	5.8	<0.79 J	3.0	4.9	<0.79	<98	<130	<88 [<88]	<20	<9.8	5.4	4.9	<27	<980
1,3,5,-Trimethylbenzene	- -	3.7	2.7	<0.79 J	<0.79	1.6	<0.79	<98	<130	<88 [<88]	<20	<9.8	<2.5	1.6	<27	<980
1,3-Butadiene	- -	3	3.4	<0.88 J	<0.88	<0.88	<0.88	<110	<150	<100 [<100]	<22	<11	<2.9	<0.88	<31	<1,100
2,2,4-Trimethylpentane	- -	- -	- -	<0.75 J	12	34	<0.75	<93	<120	<84 [<84]	<19	21	7.5	8.9	<25	<930
4-Ethyltoluene	- -	3.6	3	<0.79 J	2.8	***4.9***	<0.79	<98	<130	<88 [<88]	<20	<9.8	***4.6***	***4.1***	<27	<980
Cyclohexane	- -	- -	- -	<0.55 J	0.62	1.3	<0.55	<69	1,400	<62 [<62]	<14	<6.9	<1.7	<0.55	<19	<690
Dichlorodifluoromethane	- -	16.5	8.1	2.4 J	2.7	2.2	<2.0	<240	<330	<220 [<220]	<49	<25	<6.4	<2.0	<69	<2,500
Freon 11	- -	18.1	4.3	1.2 J	1.5	1.1	<0.90	<110	<150	<100 [<100]	<22	***52***	***28***	1.1	<30	<1,100
n-Heptane	- -	- -	- -	<0.66 J	2.2	5.7	<0.66	<82	1,100	<74 [<74]	<16	<8.2	<2.0	1.8	<22	<820
n-Hexane	- -	10.2	6.4	<1.4 J	3.2	*7.0*	1.9	<170	***670***	<160 [<160]	<35	<18	<4.6	1.6	<49	<1,800
1,1,1-Trichloroethane	- -	20.6	2.6	<0.87 J	<0.87	<0.87	<0.87	<110	<140	<98 [<98]	<22	<11	*18*	<0.87	<29	<1,100
2-Butanone (MEK)	- -	12	11.3	<1.2 J	2.2	<1.2	1.3	<140	<190	<130 [<130]	<29	<15	***18***	3.5	<41	<1,500
2-Hexanone	- -	- -	- -	<1.6 J	<1.6	<1.6	<1.6	<200	490	<180 [<180]	<41	<20	<5.3	<1.6	<57	<2,000
Acetone	- -	98.9	43.7	<9.5 J	11	<9.5	<9.5	<1,200	<1,600	<1,100 [<1,100]	<240	<120	***110***	16	<330	<12,000
Benzene	- -	9.4	6.6	<0.51 J	1.5	2.7	<0.51	<64	***140***	<58 [<58]	<13	<6.4	1.7	0.86	<17	<640
Carbon disulfide	- -	4.2	3.7	<1.2 J	<1.2	<1.2	<1.2	<150	<210	<140 [<140]	<31	<16	<4.0	<1.2	<44	<1,600
Chlorobenzene	- -	0.9	0.8	<0.74 J	<0.74	<0.74	<0.74	<92	***460***	<83 [<83]	<18	<9.2	<2.3	<0.74	<25	<920
Chloroform	- -	1.1	0.6	<0.78 J	<0.78	<0.78	<0.78	<98	<130	<88 [<88]	<20	<9.8	<2.4	<0.78	<26	<980
Chloromethane	- -	3.7	3.7	0.95 J	1.2	0.91	0.83	<100	<140	<93 [<93]	<21	<10	<2.7	<0.83	<29	<1,000
cis-1,2-Dichloroethene	- -	1.9	1.8	<0.63 J	<0.63	<0.63	<0.63	***590***	***320***	***79 [87]***	<16	<7.9	<2.0	<0.63	<21	***140,000***
trans-1,2-Dichloroethene	- -	- -	- -	<0.63 J	<0.63	<0.63	<0.63	<79	520	<71 [<71]	<16	<7.9	<2.0	<0.63	<21	2,900
1,2-Dichloroethene (total)	- -	- -	- -	<0.63 J	<0.63	<0.63	<0.63	590	830	79 [87]	<16	<7.9	<2.0	<0.63	<21	140,000
Ethylbenzene	- -	5.7	3.5	<0.69 J	2.5	*4.8*	<0.69	<87	***330***	<78 [<78]	<17	<8.7	2.6	2.3	<23	<870
Isopropyl Alcohol	- -	- -	- -	<9.8 J	<9.8	<9.8	<9.8	<1,200	<1,600	<1,100 [<1,100]	<250	<120	<32	<9.8	<340	<12,000
Tetrachloroethene	100	15.9	6.5	<1.1 J	<1.1	<1.1	<1.1	***20,000***	<180	***16,000 [15,000]***	***4,600***	***2,200***	***430***	***130***	***4,500***	***150,000***
Toluene	- -	43	33.7	0.68 J	15	*37*	1.2	<75	***720***	<68 [<68]	<15	*41*	12	11	***83***	<750
Trichloroethene	5	4.2	1.3	<0.86 J	<0.86	<0.86	<0.86	***2,500***	<140	***390 [380]***	***91***	***1,100***	***470***	*3.0*	***48***	***36,000***
Vinyl chloride	- -	1.9	1.8	<0.41 J	<0.41	<0.41	<0.41	<51	***10,000***	<46 [<46]	<10	<5.1	<1.3	<0.41	<14	<510
Xylene (m,p)	- -	- -	- -	<1.7 J	6.9	15	<1.7	<210	<290	<200 [<200]	<43	<22	7.8	7.8	<61	<2,200
Xylene (o)	- -	7.9	4.6	<0.69 J	2.6	*5.2*	<0.69	<87	<110	<78 [<78]	<17	<8.7	3.4	3.2	<23	<870
Xylenes (total)	- -	22.2	12.8	<0.69 J	10	*21*	<0.69	<87	<110	<78 [<78]	<17	<8.7	12	11	<23	<870

TABLE 1
SOIL VAPOR AND AMBIENT AIR ANALYTICAL RESULTS FOR DETECTED VOCs (µg/m^3)

SOIL VAPOR INVESTIGATION SUMMARY REPORT
BAYER MATERIALSCIENCE LLC
125 NEW SOUTH ROAD
HICKSVILLE, NEW YORK

Sampling Location: Date Collected:	NYSDOH Indoor Air Guidance Value (Exceedences Shown via Shading)	USEPA 90th Percentile Background Levels (µg/m^3)		Soil Vapor Analytical Results (µg/m^3)											
		Indoor Air (Exceedences Shown via Bold)	Outdoor Air (Exceedences Shown via Italics)	SG-10 (5.0-5.5') 09/21/07	SG-11 (5.0-5.5') 09/21/07	SG-12 (5.0-5.5') 09/20/07	SG-13 (5.0-5.5') 09/20/07	SG-14 (5.0-5.5') 09/20/07	SG-15 (5.0-5.5') 09/19/07	SG-16 (5.0-5.5') 09/19/07	SG-17 (5.0-5.5') 09/18/07	SG-18 (5.0-5.5') 09/24/07	SG-19 (29.5-30.0') 06/13/08	SG-20 (29.5-30.0') 06/13/08	SG-21 (5.0-5.5') 06/13/08
1,2,4-Trimethylbenzene	- -	9.5	5.8	*6.9*	***11***	*5.9*	<15	<37	<6.9	***13 [16]***	3.7	***23***	<64	<25	<2.9
1,3,5,-Trimethylbenzene	- -	3.7	2.7	1.9	<9.8	1.8	<15	<37	<6.9	***3.9 [4.9]***	1.2	***6.4***	<64	<25	<2.9
1,3-Butadiene	- -	3	3.4	***4.2***	<11	***12***	<17	<42	<7.7	1.3 [1.4]	1.9	<3.3	<71	<29	<3.3
2,2,4-Trimethylpentane	- -	- -	- -	7.5	26	4.6	75	<35	8.9	19 [39]	1.6	3.8	<61	<23	<2.8
4-Ethyltoluene	- -	3.6	3	***6.4***	***11***	***5.4***	<15	<37	<6.9	***11 [13]***	*3.3*	***18***	<64	<25	<2.9
Cyclohexane	- -	- -	- -	<0.69	<6.9	1.1	<11	<26	<4.8	0.96 [1.8]	<0.69	<2.0	<45	<17	<2.1
Dichlorodifluoromethane	- -	16.5	8.1	<2.5	<25	<3.1	<38	<94	<17	<2.0 [<2.0]	<2.5	<7.4	<160	<64	<7.4
Freon 11	- -	18.1	4.3	1.5	***22***	3.6	<17	<42	<7.9	2.2 [2.3]	1.6	<3.3	<73	<28	<3.4
n-Heptane	- -	- -	- -	3.7	9.8	6.1	16	<31	<5.7	6.6 [10]	3.4	4.9	<53	<20	<2.5
n-Hexane	- -	10.2	6.4	4.2	<18	*8.1*	<27	<67	<12	*5.3 [8.8]*	3.3	<5.3	<110	<46	<5.3
1,1,1-Trichloroethane	- -	20.6	2.6	<1.1	<11	*14*	<17	<41	<7.6	<0.87 [<0.87]	<1.1	<3.2	<71	<27	<3.3
2-Butanone (MEK)	- -	12	11.3	***15***	***17***	***27***	<23	<56	<10	8.3 [7.4]	***13***	***15***	<94	<38	<4.4
2-Hexanone	- -	- -	- -	3.1	<20	<2.6	<32	<78	<14	<1.6 [<1.6]	<2.0	<6.1	<130	<53	<6.1
Acetone	- -	98.9	43.7	*88*	<120	***110***	<180	<450	<83	40 [33]	*74*	*81*	<760	<310	38
Benzene	- -	9.4	6.6	2.1	<6.4	3.2	<9.9	<24	<4.5	2.1 [3.5]	1.3	<1.9	<42	<16	<1.9
Carbon disulfide	- -	4.2	3.7	3.0	<16	***4.4***	<24	<59	<11	2.0 [2.1]	***5.3***	<4.7	<100	<40	<4.7
Chlorobenzene	- -	0.9	0.8	<0.92	<9.2	<1.2	<14	<35	<6.4	<0.74 [<0.74]	<0.92	<2.7	<60	<23	<2.8
Chloroform	- -	1.1	0.6	<0.98	<9.8	<1.2	<15	<37	<6.8	<0.78 [<0.78]	***4.9***	<2.9	<63	<24	<2.9
Chloromethane	- -	3.7	3.7	<1.0	<10	<1.3	<16	<39	<7.2	<0.83 [<0.83]	<1.0	<3.1	<66	<27	<3.1
cis-1,2-Dichloroethene	- -	1.9	1.8	<0.79	<7.9	<0.99	<12	<30	<5.6	<0.63 [<0.63]	<0.79	<2.3	***1,000***	***2,400***	<2.4
trans-1,2-Dichloroethene	- -	- -	- -	<0.79	<7.9	<0.99	<12	<30	<5.6	<0.63 [<0.63]	<0.79	<2.3	<52	<20	<2.4
1,2-Dichloroethene (total)	- -	- -	- -	<0.79	<7.9	<0.99	<12	<30	<5.6	<0.63 [<0.63]	<0.79	<2.3	1,000	2,400	<2.4
Ethylbenzene	- -	5.7	3.5	*4.8*	***10***	*4.3*	***15***	<33	<6.1	***6.9 [10]***	1.9	***7.4***	<56	<22	<2.6
Isopropyl Alcohol	- -	- -	- -	<12	<120	<15	<190	<470	<86	<9.8 [<9.8]	<12	<37	<790	<320	<37
Tetrachloroethene	100	15.9	6.5	*8.1*	***2,400***	***64***	***2,700***	***8,100***	***1,200***	2.5 [3.1]	4.5	4.5	***16,000***	***600***	***430***
Toluene	- -	43	33.7	22	***53***	17	***110***	***49***	27	***35 [60]***	7.2	21	<49	<19	<2.3
Trichloroethene	5	4.2	1.3	<1.1	***24***	*1.4*	<17	***160***	***120***	*1.2 [1.6]*	<1.1	<3.2	***2,600***	***75***	***170***
Vinyl chloride	- -	1.9	1.8	<0.51	<5.1	<0.64	<7.9	<19	<3.6	<0.41 [<0.41]	<0.51	<1.5	<33	<13	<1.5
Xylene (m,p)	- -	- -	- -	14	29	13	41	<83	<15	23 [34]	6.1	23	<140	<56	<6.5
Xylene (o)	- -	7.9	4.6	*5.6*	***11***	*4.8*	***16***	<33	<6.1	***8.7 [12]***	2.6	***9.6***	<56	<22	<2.6
Xylenes (total)	- -	22.2	12.8	*20*	***40***	*17*	***56***	<33	<6.1	***33 [48]***	9.1	***33***	<56	<22	<2.6

TABLE 1
SOIL VAPOR AND AMBIENT AIR ANALYTICAL RESULTS FOR DETECTED VOCs (µg/m^3)

SOIL VAPOR INVESTIGATION SUMMARY REPORT
BAYER MATERIALSCIENCE LLC
125 NEW SOUTH ROAD
HICKSVILLE, NEW YORK

Sampling Location: Date Collected:	NYSDOH Indoor Air Guidance Value (Exceedences Shown via Shading)	USEPA 90th Percentile Background Levels (µg/m^3)		Soil Vapor Analytical Results (µg/m^3)					
		Indoor Air (Exceedences Shown via Bold)	Outdoor Air (Exceedences Shown via Italics)	SG-22 (5.0-5.5') 02/10/09	SG-23 (5.0-5.5') 02/11/09	SG-24 (5.0-5.5') 02/11/09	SG-25 (5.0-5.5') 02/10/09	SG-26 (5.0-5.5') 02/10/09	SG-27 (5.0-5.5') 02/11/09
1,2,4-Trimethylbenzene	- -	9.5	5.8	<0.79 [<0.79]	<0.79 J	<0.79	<0.79	<3.4	<15 J
1,3,5,-Trimethylbenzene	- -	3.7	2.7	<0.79 [<0.79]	<0.79 J	<0.79	<0.79	<3.4	<15 J
1,3-Butadiene	- -	3	3.4	1.8 [1.3]	**3.1 J**	1.1	***4.4***	***12***	***77 J***
2,2,4-Trimethylpentane	- -	- -	- -	<0.75 [<0.75]	<0.75 J	<0.75	<0.75	<3.3	<14 J
4-Ethyltoluene	- -	3.6	3	<0.79 [<0.79]	<0.79 J	<0.79	<0.79	<3.4	<15 J
Cyclohexane	- -	- -	- -	<0.55 [<0.55]	<0.55 J	<0.55	<0.55	<2.4	<11 J
Dichlorodifluoromethane	- -	16.5	8.1	<2.0 [<2.0]	2.6 J	2.2	<2.0	<8.9	<38 J
Freon 11	- -	18.1	4.3	1.6 [1.5]	1.9 J	1.7	1.7	<3.9	<17 J
n-Heptane	- -	- -	- -	<0.66 [<0.66]	1.8 J	1.1	1.7	4.5	<13 J
n-Hexane	- -	10.2	6.4	3.2 [<1.4]	4.6 J	1.8	3.9	*7.4*	<27 J
1,1,1-Trichloroethane	- -	20.6	2.6	<0.87 [<0.87]	<0.87 J	<0.87	<0.87	<3.8	<17 J
2-Butanone (MEK)	- -	12	11.3	5.0 [2.6]	8.3 J	3.8	6.5	***13***	***26 J***
2-Hexanone	- -	- -	- -	<1.6 [<1.6]	<1.6 J	<1.6	<1.6	<7.4	<32 J
Acetone	- -	98.9	43.7	29 [15]	38 J	16	36	*52*	<180 J
Benzene	- -	9.4	6.6	0.70 [0.58]	2.1 J	0.73	1.6	4.2	***80 J***
Carbon disulfide	- -	4.2	3.7	<1.2 [<1.2]	<1.2 J	<1.2	<1.2	<5.6	<24 J
Chlorobenzene	- -	0.9	0.8	<0.74 [<0.74]	<0.74 J	<0.74	<0.74	<3.2	<14 J
Chloroform	- -	1.1	0.6	<0.78 [<0.78]	<0.78 J	<0.78	<0.78	<3.4	<15 J
Chloromethane	- -	3.7	3.7	<0.83 [<0.83]	<0.83 J	<0.83	<0.83	<3.7	<16 J
cis-1,2-Dichloroethene	- -	1.9	1.8	<0.63 [<0.63]	<0.63 J	<0.63	<0.63	<2.8	<12 J
trans-1,2-Dichloroethene	- -	- -	- -	<0.63 [<0.63]	<0.63 J	<0.63	<0.63	<2.8	<12 J
1,2-Dichloroethene (total)	- -	- -	- -	<0.63 [<0.63]	<0.63 J	<0.63	<0.63	<2.8	<12 J
Ethylbenzene	- -	5.7	3.5	<0.69 [<0.69]	<0.69 J	<0.69	<0.69	<3.0	<13 J
Isopropyl Alcohol	- -	- -	- -	14 [<9.8]	<9.8 J	14	<9.8	81	<190 J
Tetrachloroethene	100	15.9	6.5	*10 [9.5]*	<1.1 J	*13*	***38***	***630***	***1,800 J***
Toluene	- -	43	33.7	0.87 [0.75]	1.8 J	1.6	2.0	4.5	*36 J*
Trichloroethene	5	4.2	1.3	<0.86 [<0.86]	<0.86 J	<0.86	<0.86	***4.6***	<17 J
Vinyl chloride	- -	1.9	1.8	<0.41 [<0.41]	<0.41 J	<0.41	<0.41	<1.8	<7.9 J
Xylene (m,p)	- -	- -	- -	<1.7 [<1.7]	<1.7 J	<1.7	<1.7	<7.8	<33 J
Xylene (o)	- -	7.9	4.6	<0.69 [<0.69]	<0.69 J	<0.69	<0.69	<3.0	<13 J
Xylenes (total)	- -	22.2	12.8	<0.69 [<0.69]	<0.69 J	<0.69	<0.69	<3.0	<13 J

TABLE 1
SOIL VAPOR AND AMBIENT AIR ANALYTICAL RESULTS FOR DETECTED VOCs (µg/m^3)

PHASE 3 SOIL VAPOR INVESTIGATION SUMMARY
BAYER MATERIALSCIENCE LLC
125 NEW SOUTH ROAD
HICKSVILLE, NEW YORK

Notes:

1. Samples were collected by ARCADIS on the dates indicated.
2. Samples were analyzed for volatile organic compounds (VOCs) by TestAmerica, Inc. of Burlington, Vermont using United States Environmental Protection Agency (USEPA) Compendium Method TO-15.
3. New York State Department of Health (NYSDOH) Indoor Air Guidance Values are from Table 3.1 of the document titled "Guidance for Evaluating Soil Vapor in the State of New York" (NYSDOH, October 2006).
4. USEPA Indoor Air and Outdoor Air Background Levels are the 90th percentile of background air values observed by the USEPA in a study of public and commercial office buildings, per USEPA database information referenced in Section 3.2.4 of the "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (NYSDOH, October 2006).
5. Concentrations reported in micrograms per cubic meter (µg/m^3).
6. < = Not detected at or above the associated reporting limit.
7. -- = Comparison value not available.
8. J = Indicates that the associated numerical value is an estimated concentration.
9. Field duplicate sample results are presented in brackets.
10. Shading indicates an exceedence of the NYSDOH Indoor Air Guidance Value.
11. Bold font indicates an exceedence of the USEPA 90th Percentile Background Indoor Air Value.
12. Italic font indicates an exceedence of the USEPA 90th Percentile Background Outdoor Air Value.
13. Results for samples collected through February 2009 have been validated.

TABLE 2
SOIL VAPOR AND AMBIENT AIR HELIUM ANALYTICAL RESULTS (%V/V)

PHASE III SOIL VAPOR INVESTIGATION SUMMARY
BAYER MATERIALSCIENCE LLC
125 NEW SOUTH ROAD
HICKSVILLE, NEW YORK

Sampling Location	Date Collected	Helium Concentration (%v/v)
Ambient Air Analytical Results		
AMBIENT	06/13/08	<2.3 J
UW	09/20/07	<2.4
DW	09/18/07	<2.5
Soil Vapor Analytical Results		
SG-1	09/20/07	<2.2
SG-2	09/19/07	<2.2
SG-3	09/24/07	<2.3 [<2.2]
SG-4	09/18/07	<2.2
SG-5	09/21/07	<2.3
SG-6	09/18/07	<2.1
SG-7	09/18/07	<2.3
SG-8	09/24/07	<2.3
SG-9	09/25/07	<2.1
SG-10	09/21/07	<2.4
SG-11	09/21/07	<2.2
SG-12	09/20/07	<2.3
SG-13	09/20/07	<2.3
SG-14	09/20/07	<2.3
SG-15	09/19/07	<2.3
SG-16	09/19/07	<2.2 [<2.1]
SG-17	09/18/07	<2.2
SG-18	09/24/07	<2.4
SG-19	06/13/08	41
SG-20	06/13/08	20
SG-21	06/13/08	3.8
SG-22	02/10/09	<2.6 [<2.5]
SG-23	02/11/09	<2.6
SG-24	02/11/09	<2.7
SG-25	02/10/09	<2.7
SG-26	02/10/09	<2.7
SG-27	02/11/09	<2.5

Notes:
1. Samples were collected by ARCADIS on the dates indicated.
2. Samples were analyzed for helium by TestAmerica, Inc. of Burlington, Vermont using ASTM Method D1946.
3. Concentrations reported in percent volume (% v/v).
4. < = Not detected at or above the associated reporting limit.
5. J = Indicates that the associated numerical value is an estimated concentration.
6. Field duplicate sample results are presented in brackets.
7. Results for samples collected through February 2009 have been validated.

ARCADIS
Infrastructure, environment, buildings

Bayer MaterialScience

Data Usability Summary Report

HICKSVILLE, NEW YORK

Volatile and Helium Analyses

SDG#NY130076

Analyses Performed By:
TestAmerica Laboratories, Inc.
South Burlington, Vermont

Report: #9815
Review Level: Tier III
Project: B0032305.0001.00006

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #NY130076 for samples collected in association with the Bayer site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PCB	MET	MISC
DUP 021009	784224	AIR	2/10/2009	SG-22	X				X
SG-22	784225	AIR	2/10/2009		X				X
SG-25	784226	AIR	2/10/2009		X				X
SG-26	784227	AIR	2/10/2009		X				X
UW 021109	784228	AIR	2/11/2009		X				
SG-27	784229	AIR	2/11/2009		X				X
SG-24	784230	AIR	2/11/2009		X				X
SG-23	784231	AIR	2/11/2009		X				X

Note:

1. Miscellaneous parameters include helium.

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Sample receipt condition		X		X	
Requested analyses and sample results		X		X	
Collection Technique (grab, composite, etc.)		X		X	
Methods of analysis		X		X	
Reporting limits		X		X	
Sample collection date		X		X	
Laboratory sample received date		X		X	
Sample preservation verification (as applicable)		X		X	
Sample preparation/extraction/analysis dates		X		X	
Fully executed Chain-of-Custody (COC) form completed		X		X	
Narrative summary of QA or sample problems provided		X		X	
Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) Method TO-15 and ASTM D1946. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999, USEPA Region II SOP HW-31 Validating Air Samples Volatile Organic Analysis of Ambient Air In Canister by Method TO-15 of October 2006, New York State DEC Analytical Method ASP 2005 TO-15 (QA/QC Criteria R9 TO-15) and NYSDEC Modifications to R9 TO-15 QA/QC Criteria February 2008.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on

data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Method TO-15	Air	30 days storage from collection to analysis	Ambient temperature

All samples were analyzed within the specified holding time criteria.

The sample locations with canisters that exceeded return pressure criteria are presented in the following table.

Sample Locations	Return Pressure/Vacuum Reading ("of Hg)
SG-27	-3.8
SG-23	-3.9

Sample results associated with sample locations analyzed by analytical method TO-15 were qualified, as specified in the table below. All other canister return pressure/vacuum criteria were met.

Criteria	Qualification	
	Detected Analytes	Non-Detect Analytes
Return pressure/vacuum < 4"Hg to 1"Hg	J	UJ

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL.

3. Mass Spectrometer Tuning

Mass spectrometer performance and column resolution was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (30%) and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (30%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than 40% or less than 40% of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

6. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS/LCSD analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS/LCSD analysis must exhibit a percent recovery within the established acceptance limits of 70% to 130%. The relative percent difference (RPD) between the LCS/LCSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

All compounds associated with the LCS/LCSD analysis exhibiting recoveries outside of the control limits are presented in the following table.

Sample Locations	Compound	LCS Recovery	LCSD Recovery
All sample locations	Naphthalene	AC	140%

The criteria used to evaluate the LCS/LCSD recoveries are presented in the following table. In the case of an LCS/LCSD deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
LCS/LCSD percent recovery >130%	Non-detect	No Action

Control Limit	Sample Result	Qualification
	Detect	J
LCS/LCSD percent recovery <70% but > 10%	Non-detect	UJ
	Detect	J
< 10%	Non-detect	R
	Detect	J

7. Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for air matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for air matrices.

Laboratory duplicates were not performed as part of this SDG.

8. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 100% for air matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for air matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SG-22/DUP 021009	1,3-Butadiene	0.88	1.8	AC
	Trichlorofluoromethane	1.5	1.6	AC
	Acetone	15	29	AC
	Isopropyl Alcohol	ND (9.8)	14	AC
	n-Hexane	ND (1.4)	3.2	AC
	Methyl Ethyl Ketone	2.6	5.0	AC
	Benzene	0.58	0.70	AC
	Toluene	0.75	0.87	AC
	Tetrachloroethene	9.5	10	AC

AC = Acceptable.

The calculated RPDs between the parent sample and field duplicate were acceptable.

9. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: TO-15	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Canister return pressure/vacuum (5"Hg ± 1)		X	X		
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks					X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)		X	X		
LCS/LCSD Precision (RPD)		X		X	
Field Duplicate (RPD)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present				X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

VOCs: TO-15	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					

%RSD Relative standard deviation
%R Percent recovery
RPD Relative percent difference
%D Percent difference

HELIUM ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
Helium by ASTM D1946	Air	14 days from collection to analysis	Ambient Temperature

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 15% is allowed.

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (15%).

All calibration criteria were within the control limits.

5. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

6. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 100% for air matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of three times the RL is applied for air matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
SG-22/DUP 021009	Helium	ND (2.6)	ND (2.5)	AC

AC = Acceptable.

The calculated RPDs between the parent sample and field duplicate were acceptable.

7. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time.

No target compounds were identified in the samples.

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR HELIUM

HELIUM; ASTM D1946	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY (GC/FID)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
Laboratory Control Sample (LCS) %R		X		X	
Laboratory Control Sample Duplicate(LCSD) %R					X
LCS/LCSD Precision (RPD)					X
Field Duplicate (RPD)		X		X	
Surrogate Spike Recoveries					X
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
Initial calibration %RSDs		X		X	
Continuing calibration %Ds		X		X	
System performance and column resolution		X		X	
Compound identification and quantitation					
A. Quantitation Reports		X		X	
B. RT of sample compounds within the established RT windows		X		X	
C. Transcription/calculation errors present				X	
D. Reporting limits adjusted to reflect sample dilutions		X		X	

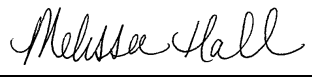
%RSD – relative standard deviation, %R - percent recovery, RPD - relative percent difference, %D – difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB	MET	MISC	
NY130076	2/10/2009	TO-15	DUP 021009	Air	No	--	--	--	Yes	VOC: LCSD[2]
NY130076	2/10/2009	TO-15	SG-22	Air	No	--	--	--	Yes	VOC: LCSD[2]
NY130076	2/10/2009	TO-15	SG-25	Air	No	--	--	--	Yes	VOC: LCSD[2]
NY130076	2/10/2009	TO-15	SG-26	Air	No	--	--	--	Yes	VOC: LCSD[2]
NY130076	2/11/2009	TO-15	UW 021109	Air	No	--	--	--	--	VOC: LCSD[2]
NY130076	2/11/2009	TO-15	SG-27	Air	No	--	--	--	Yes	VOC: LCSD[2], canister pressure
NY130076	2/11/2009	TO-15	SG-24	Air	No	--	--	--	Yes	VOC: LCSD[2]
NY130076	2/11/2009	TO-15	SG-23	Air	No	--	--	--	Yes	VOC: LCSD[2], canister pressure

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
2 The deviation did not result in any qualification of the data.

VALIDATION PERFORMED BY: Melissa Hall

SIGNATURE: 

DATE: March 1, 2009

PEER REVIEW BY: Dennis K Capria

DATE: March 5, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

TO-14/15
Result Summary

CLIENT SAMPLE NO.

DUP 021009

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784224

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.40	U	0.40	2.0	U	2.0
1,2-Dichlorotetrafluoroethane	76-14-2	0.16	U	0.16	1.1	U	1.1
Chloromethane	74-87-3	0.40	U	0.40	0.83	U	0.83
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,3-Butadiene	106-99-0	0.57		0.40	1.3		0.88
Bromomethane	74-83-9	0.16	U	0.16	0.62	U	0.62
Chloroethane	75-00-3	0.40	U	0.40	1.1	U	1.1
Bromoethene	593-60-2	0.16	U	0.16	0.70	U	0.70
Trichlorofluoromethane	75-69-4	0.27		0.16	1.5		0.90
Freon TF	76-13-1	0.16	U	0.16	1.2	U	1.2
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
Acetone	67-64-1	6.2		4.0	15		9.5
Isopropyl Alcohol	67-63-0	4.0	U	4.0	9.8	U	9.8
Carbon Disulfide	75-15-0	0.40	U	0.40	1.2	U	1.2
3-Chloropropene	107-05-1	0.40	U	0.40	1.3	U	1.3
Methylene Chloride	75-09-2	0.40	U	0.40	1.4	U	1.4
tert-Butyl Alcohol	75-65-0	4.0	U	4.0	12	U	12
Methyl tert-Butyl Ether	1634-04-4	0.40	U	0.40	1.4	U	1.4
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
n-Hexane	110-54-3	0.40	U	0.40	1.4	U	1.4
1,1-Dichloroethane	75-34-3	0.16	U	0.16	0.65	U	0.65
Methyl Ethyl Ketone	78-93-3	0.87		0.40	2.6		1.2
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Tetrahydrofuran	109-99-9	4.0	U	4.0	12	U	12
Chloroform	67-66-3	0.16	U	0.16	0.78	U	0.78
1,1,1-Trichloroethane	71-55-6	0.16	U	0.16	0.87	U	0.87
Cyclohexane	110-82-7	0.16	U	0.16	0.55	U	0.55
Carbon Tetrachloride	56-23-5	0.16	U	0.16	1.0	U	1.0
2,2,4-Trimethylpentane	540-84-1	0.16	U	0.16	0.75	U	0.75
Benzene	71-43-2	0.18		0.16	0.58		0.51
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethane	107-06-2	0.16	U	0.16	0.65	U	0.65
n-Heptane	142-82-5	0.16	U	0.16	0.66	U	0.66

TO-14/15
Result Summary

CLIENT SAMPLE NO.

DUP 021009

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784224

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
1,2-Dichloropropane	78-87-5	0.16	U	0.16	0.74	U	0.74
1,4-Dioxane	123-91-1	4.0	U	4.0	14	U	14
Bromodichloromethane	75-27-4	0.16	U	0.16	1.1	U	1.1
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.73	U	0.73
Methyl Isobutyl Ketone	108-10-1	0.40	U	0.40	1.6	U	1.6
Toluene	108-88-3	0.20		0.16	0.75		0.60
trans-1,3-Dichloropropene	10061-02-6	0.16	U	0.16	0.73	U	0.73
1,1,2-Trichloroethane	79-00-5	0.16	U	0.16	0.87	U	0.87
Tetrachloroethene	127-18-4	1.4		0.16	9.5		1.1
Methyl Butyl Ketone	591-78-6	0.40	U	0.40	1.6	U	1.6
Dibromochloromethane	124-48-1	0.16	U	0.16	1.4	U	1.4
1,2-Dibromoethane	106-93-4	0.16	U	0.16	1.2	U	1.2
Chlorobenzene	108-90-7	0.16	U	0.16	0.74	U	0.74
Ethylbenzene	100-41-4	0.16	U	0.16	0.69	U	0.69
Xylene (m,p)	1330-20-7	0.40	U	0.40	1.7	U	1.7
Xylene (o)	95-47-6	0.16	U	0.16	0.69	U	0.69
Styrene	100-42-5	0.16	U	0.16	0.68	U	0.68
Bromoform	75-25-2	0.16	U	0.16	1.7	U	1.7
1,1,2,2-Tetrachloroethane	79-34-5	0.16	U	0.16	1.1	U	1.1
Xylene (total)	1330-20-7	0.16	U	0.16	0.69	U	0.69
4-Ethyltoluene	622-96-8	0.16	U	0.16	0.79	U	0.79
1,3,5-Trimethylbenzene	108-67-8	0.16	U	0.16	0.79	U	0.79
2-Chlorotoluene	95-49-8	0.16	U	0.16	0.83	U	0.83
1,2,4-Trimethylbenzene	95-63-6	0.16	U	0.16	0.79	U	0.79
1,3-Dichlorobenzene	541-73-1	0.16	U	0.16	0.96	U	0.96
1,4-Dichlorobenzene	106-46-7	0.16	U	0.16	0.96	U	0.96
1,2-Dichlorobenzene	95-50-1	0.16	U	0.16	0.96	U	0.96
1,2,4-Trichlorobenzene	120-82-1	0.40	U	0.40	3.0	U	3.0
Hexachlorobutadiene	87-68-3	0.16	U	0.16	1.7	U	1.7
Naphthalene	91-20-3	0.40	U	0.40	2.1	U	2.1

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-22

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784225

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.40	U	0.40	2.0	U	2.0
1,2-Dichlorotetrafluoroethane	76-14-2	0.16	U	0.16	1.1	U	1.1
Chloromethane	74-87-3	0.40	U	0.40	0.83	U	0.83
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,3-Butadiene	106-99-0	0.81		0.40	1.8		0.88
Bromomethane	74-83-9	0.16	U	0.16	0.62	U	0.62
Chloroethane	75-00-3	0.40	U	0.40	1.1	U	1.1
Bromoethene	593-60-2	0.16	U	0.16	0.70	U	0.70
Trichlorofluoromethane	75-69-4	0.28		0.16	1.6		0.90
Freon TF	76-13-1	0.16	U	0.16	1.2	U	1.2
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
Acetone	67-64-1	12		4.0	29		9.5
Isopropyl Alcohol	67-63-0	5.8		4.0	14		9.8
Carbon Disulfide	75-15-0	0.40	U	0.40	1.2	U	1.2
3-Chloropropene	107-05-1	0.40	U	0.40	1.3	U	1.3
Methylene Chloride	75-09-2	0.40	U	0.40	1.4	U	1.4
tert-Butyl Alcohol	75-65-0	4.0	U	4.0	12	U	12
Methyl tert-Butyl Ether	1634-04-4	0.40	U	0.40	1.4	U	1.4
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
n-Hexane	110-54-3	0.91		0.40	3.2		1.4
1,1-Dichloroethane	75-34-3	0.16	U	0.16	0.65	U	0.65
Methyl Ethyl Ketone	78-93-3	1.7		0.40	5.0		1.2
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Tetrahydrofuran	109-99-9	4.0	U	4.0	12	U	12
Chloroform	67-66-3	0.16	U	0.16	0.78	U	0.78
1,1,1-Trichloroethane	71-55-6	0.16	U	0.16	0.87	U	0.87
Cyclohexane	110-82-7	0.16	U	0.16	0.55	U	0.55
Carbon Tetrachloride	56-23-5	0.16	U	0.16	1.0	U	1.0
2,2,4-Trimethylpentane	540-84-1	0.16	U	0.16	0.75	U	0.75
Benzene	71-43-2	0.22		0.16	0.70		0.51
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethane	107-06-2	0.16	U	0.16	0.65	U	0.65
n-Heptane	142-82-5	0.16	U	0.16	0.66	U	0.66

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-22

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784225

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
1,2-Dichloropropane	78-87-5	0.16	U	0.16	0.74	U	0.74
1,4-Dioxane	123-91-1	4.0	U	4.0	14	U	14
Bromodichloromethane	75-27-4	0.16	U	0.16	1.1	U	1.1
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.73	U	0.73
Methyl Isobutyl Ketone	108-10-1	0.40	U	0.40	1.6	U	1.6
Toluene	108-88-3	0.23		0.16	0.87		0.60
trans-1,3-Dichloropropene	10061-02-6	0.16	U	0.16	0.73	U	0.73
1,1,2-Trichloroethane	79-00-5	0.16	U	0.16	0.87	U	0.87
Tetrachloroethene	127-18-4	1.5		0.16	10		1.1
Methyl Butyl Ketone	591-78-6	0.40	U	0.40	1.6	U	1.6
Dibromochloromethane	124-48-1	0.16	U	0.16	1.4	U	1.4
1,2-Dibromoethane	106-93-4	0.16	U	0.16	1.2	U	1.2
Chlorobenzene	108-90-7	0.16	U	0.16	0.74	U	0.74
Ethylbenzene	100-41-4	0.16	U	0.16	0.69	U	0.69
Xylene (m,p)	1330-20-7	0.40	U	0.40	1.7	U	1.7
Xylene (o)	95-47-6	0.16	U	0.16	0.69	U	0.69
Styrene	100-42-5	0.16	U	0.16	0.68	U	0.68
Bromoform	75-25-2	0.16	U	0.16	1.7	U	1.7
1,1,2,2-Tetrachloroethane	79-34-5	0.16	U	0.16	1.1	U	1.1
Xylene (total)	1330-20-7	0.16	U	0.16	0.69	U	0.69
4-Ethyltoluene	622-96-8	0.16	U	0.16	0.79	U	0.79
1,3,5-Trimethylbenzene	108-67-8	0.16	U	0.16	0.79	U	0.79
2-Chlorotoluene	95-49-8	0.16	U	0.16	0.83	U	0.83
1,2,4-Trimethylbenzene	95-63-6	0.16	U	0.16	0.79	U	0.79
1,3-Dichlorobenzene	541-73-1	0.16	U	0.16	0.96	U	0.96
1,4-Dichlorobenzene	106-46-7	0.16	U	0.16	0.96	U	0.96
1,2-Dichlorobenzene	95-50-1	0.16	U	0.16	0.96	U	0.96
1,2,4-Trichlorobenzene	120-82-1	0.40	U	0.40	3.0	U	3.0
Hexachlorobutadiene	87-68-3	0.16	U	0.16	1.7	U	1.7
Naphthalene	91-20-3	0.40	U	0.40	2.1	U	2.1

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-25

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784226

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.40	U	0.40	2.0	U	2.0
1,2-Dichlorotetrafluoroethane	76-14-2	0.16	U	0.16	1.1	U	1.1
Chloromethane	74-87-3	0.40	U	0.40	0.83	U	0.83
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,3-Butadiene	106-99-0	2.0		0.40	4.4		0.88
Bromomethane	74-83-9	0.16	U	0.16	0.62	U	0.62
Chloroethane	75-00-3	0.40	U	0.40	1.1	U	1.1
Bromoethene	593-60-2	0.16	U	0.16	0.70	U	0.70
Trichlorofluoromethane	75-69-4	0.30		0.16	1.7		0.90
Freon TF	76-13-1	0.16	U	0.16	1.2	U	1.2
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
Acetone	67-64-1	15		4.0	36		9.5
Isopropyl Alcohol	67-63-0	4.0	U	4.0	9.8	U	9.8
Carbon Disulfide	75-15-0	0.40	U	0.40	1.2	U	1.2
3-Chloropropene	107-05-1	0.40	U	0.40	1.3	U	1.3
Methylene Chloride	75-09-2	0.40	U	0.40	1.4	U	1.4
tert-Butyl Alcohol	75-65-0	4.0	U	4.0	12	U	12
Methyl tert-Butyl Ether	1634-04-4	0.40	U	0.40	1.4	U	1.4
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
n-Hexane	110-54-3	1.1		0.40	3.9		1.4
1,1-Dichloroethane	75-34-3	0.16	U	0.16	0.65	U	0.65
Methyl Ethyl Ketone	78-93-3	2.2		0.40	6.5		1.2
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Tetrahydrofuran	109-99-9	4.0	U	4.0	12	U	12
Chloroform	67-66-3	0.16	U	0.16	0.78	U	0.78
1,1,1-Trichloroethane	71-55-6	0.16	U	0.16	0.87	U	0.87
Cyclohexane	110-82-7	0.16	U	0.16	0.55	U	0.55
Carbon Tetrachloride	56-23-5	0.16	U	0.16	1.0	U	1.0
2,2,4-Trimethylpentane	540-84-1	0.16	U	0.16	0.75	U	0.75
Benzene	71-43-2	0.50		0.16	1.6		0.51
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethane	107-06-2	0.16	U	0.16	0.65	U	0.65
n-Heptane	142-82-5	0.42		0.16	1.7		0.66

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-25

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784226

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
1,2-Dichloropropane	78-87-5	0.16	U	0.16	0.74	U	0.74
1,4-Dioxane	123-91-1	4.0	U	4.0	14	U	14
Bromodichloromethane	75-27-4	0.16	U	0.16	1.1	U	1.1
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.73	U	0.73
Methyl Isobutyl Ketone	108-10-1	0.40	U	0.40	1.6	U	1.6
Toluene	108-88-3	0.52		0.16	2.0		0.60
trans-1,3-Dichloropropene	10061-02-6	0.16	U	0.16	0.73	U	0.73
1,1,2-Trichloroethane	79-00-5	0.16	U	0.16	0.87	U	0.87
Tetrachloroethene	127-18-4	5.6		0.16	38		1.1
Methyl Butyl Ketone	591-78-6	0.40	U	0.40	1.6	U	1.6
Dibromochloromethane	124-48-1	0.16	U	0.16	1.4	U	1.4
1,2-Dibromoethane	106-93-4	0.16	U	0.16	1.2	U	1.2
Chlorobenzene	108-90-7	0.16	U	0.16	0.74	U	0.74
Ethylbenzene	100-41-4	0.16	U	0.16	0.69	U	0.69
Xylene (m,p)	1330-20-7	0.40	U	0.40	1.7	U	1.7
Xylene (o)	95-47-6	0.16	U	0.16	0.69	U	0.69
Styrene	100-42-5	0.16	U	0.16	0.68	U	0.68
Bromoform	75-25-2	0.16	U	0.16	1.7	U	1.7
1,1,2,2-Tetrachloroethane	79-34-5	0.16	U	0.16	1.1	U	1.1
Xylene (total)	1330-20-7	0.16	U	0.16	0.69	U	0.69
4-Ethyltoluene	622-96-8	0.16	U	0.16	0.79	U	0.79
1,3,5-Trimethylbenzene	108-67-8	0.16	U	0.16	0.79	U	0.79
2-Chlorotoluene	95-49-8	0.16	U	0.16	0.83	U	0.83
1,2,4-Trimethylbenzene	95-63-6	0.16	U	0.16	0.79	U	0.79
1,3-Dichlorobenzene	541-73-1	0.16	U	0.16	0.96	U	0.96
1,4-Dichlorobenzene	106-46-7	0.16	U	0.16	0.96	U	0.96
1,2-Dichlorobenzene	95-50-1	0.16	U	0.16	0.96	U	0.96
1,2,4-Trichlorobenzene	120-82-1	0.40	U	0.40	3.0	U	3.0
Hexachlorobutadiene	87-68-3	0.16	U	0.16	1.7	U	1.7
Naphthalene	91-20-3	0.40	U	0.40	2.1	U	2.1

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-26

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 3.51

Sample Matrix: AIR

Lab Sample No.: 784227

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	1.8	U	1.8	8.9	U	8.9
1,2-Dichlorotetrafluoroethane	76-14-2	0.70	U	0.70	4.9	U	4.9
Chloromethane	74-87-3	1.8	U	1.8	3.7	U	3.7
Vinyl Chloride	75-01-4	0.70	U	0.70	1.8	U	1.8
1,3-Butadiene	106-99-0	5.5		1.8	12		4.0
Bromomethane	74-83-9	0.70	U	0.70	2.7	U	2.7
Chloroethane	75-00-3	1.8	U	1.8	4.7	U	4.7
Bromoethene	593-60-2	0.70	U	0.70	3.1	U	3.1
Trichlorofluoromethane	75-69-4	0.70	U	0.70	3.9	U	3.9
Freon TF	76-13-1	0.70	U	0.70	5.4	U	5.4
1,1-Dichloroethene	75-35-4	0.70	U	0.70	2.8	U	2.8
Acetone	67-64-1	22		18	52		43
Isopropyl Alcohol	67-63-0	33		18	81		44
Carbon Disulfide	75-15-0	1.8	U	1.8	5.6	U	5.6
3-Chloropropene	107-05-1	1.8	U	1.8	5.6	U	5.6
Methylene Chloride	75-09-2	1.8	U	1.8	6.3	U	6.3
tert-Butyl Alcohol	75-65-0	18	U	18	55	U	55
Methyl tert-Butyl Ether	1634-04-4	1.8	U	1.8	6.5	U	6.5
trans-1,2-Dichloroethene	156-60-5	0.70	U	0.70	2.8	U	2.8
n-Hexane	110-54-3	2.1		1.8	7.4		6.3
1,1-Dichloroethane	75-34-3	0.70	U	0.70	2.8	U	2.8
Methyl Ethyl Ketone	78-93-3	4.5		1.8	13		5.3
cis-1,2-Dichloroethene	156-59-2	0.70	U	0.70	2.8	U	2.8
Tetrahydrofuran	109-99-9	18	U	18	53	U	53
Chloroform	67-66-3	0.70	U	0.70	3.4	U	3.4
1,1,1-Trichloroethane	71-55-6	0.70	U	0.70	3.8	U	3.8
Cyclohexane	110-82-7	0.70	U	0.70	2.4	U	2.4
Carbon Tetrachloride	56-23-5	0.70	U	0.70	4.4	U	4.4
2,2,4-Trimethylpentane	540-84-1	0.70	U	0.70	3.3	U	3.3
Benzene	71-43-2	1.3		0.70	4.2		2.2
1,2-Dichloroethene (total)	540-59-0	0.70	U	0.70	2.8	U	2.8
1,2-Dichloroethane	107-06-2	0.70	U	0.70	2.8	U	2.8
n-Heptane	142-82-5	1.1		0.70	4.5		2.9

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-26

Lab Name: TAL Burlington

SDG Number: NY130076

Lab Sample No.: 784227

Dilution Factor: 3.51

Date Analyzed: 2/17/2009

Sample Matrix: AIR

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Trichloroethene	79-01-6	0.86		0.70	4.6		3.8
1,2-Dichloropropane	78-87-5	0.70	U	0.70	3.2	U	3.2
1,4-Dioxane	123-91-1	18	U	18	65	U	65
Bromodichloromethane	75-27-4	0.70	U	0.70	4.7	U	4.7
cis-1,3-Dichloropropene	10061-01-5	0.70	U	0.70	3.2	U	3.2
Methyl Isobutyl Ketone	108-10-1	1.8	U	1.8	7.4	U	7.4
Toluene	108-88-3	1.2		0.70	4.5		2.6
trans-1,3-Dichloropropene	10061-02-6	0.70	U	0.70	3.2	U	3.2
1,1,2-Trichloroethane	79-00-5	0.70	U	0.70	3.8	U	3.8
Tetrachloroethene	127-18-4	93		0.70	630		4.7
Methyl Butyl Ketone	591-78-6	1.8	U	1.8	7.4	U	7.4
Dibromochloromethane	124-48-1	0.70	U	0.70	6.0	U	6.0
1,2-Dibromoethane	106-93-4	0.70	U	0.70	5.4	U	5.4
Chlorobenzene	108-90-7	0.70	U	0.70	3.2	U	3.2
Ethylbenzene	100-41-4	0.70	U	0.70	3.0	U	3.0
Xylene (m,p)	1330-20-7	1.8	U	1.8	7.8	U	7.8
Xylene (o)	95-47-6	0.70	U	0.70	3.0	U	3.0
Styrene	100-42-5	0.70	U	0.70	3.0	U	3.0
Bromoform	75-25-2	0.70	U	0.70	7.2	U	7.2
1,1,2,2-Tetrachloroethane	79-34-5	0.70	U	0.70	4.8	U	4.8
Xylene (total)	1330-20-7	0.70	U	0.70	3.0	U	3.0
4-Ethyltoluene	622-96-8	0.70	U	0.70	3.4	U	3.4
1,3,5-Trimethylbenzene	108-67-8	0.70	U	0.70	3.4	U	3.4
2-Chlorotoluene	95-49-8	0.70	U	0.70	3.6	U	3.6
1,2,4-Trimethylbenzene	95-63-6	0.70	U	0.70	3.4	U	3.4
1,3-Dichlorobenzene	541-73-1	0.70	U	0.70	4.2	U	4.2
1,4-Dichlorobenzene	106-46-7	0.70	U	0.70	4.2	U	4.2
1,2-Dichlorobenzene	95-50-1	0.70	U	0.70	4.2	U	4.2
1,2,4-Trichlorobenzene	120-82-1	1.8	U	1.8	13	U	13
Hexachlorobutadiene	87-68-3	0.70	U	0.70	7.5	U	7.5
Naphthalene	91-20-3	1.8	U	1.8	9.4	U	9.4

TO-14/15
Result Summary

CLIENT SAMPLE NO.

UW 021109

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784228

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.40	U	0.40	2.0	U	2.0
1,2-Dichlorotetrafluoroethane	76-14-2	0.16	U	0.16	1.1	U	1.1
Chloromethane	74-87-3	0.40		0.40	0.83		0.83
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,3-Butadiene	106-99-0	0.40	U	0.40	0.88	U	0.88
Bromomethane	74-83-9	0.16	U	0.16	0.62	U	0.62
Chloroethane	75-00-3	0.40	U	0.40	1.1	U	1.1
Bromoethene	593-60-2	0.16	U	0.16	0.70	U	0.70
Trichlorofluoromethane	75-69-4	0.16	U	0.16	0.90	U	0.90
Freon TF	76-13-1	0.16	U	0.16	1.2	U	1.2
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
Acetone	67-64-1	4.0	U	4.0	9.5	U	9.5
Isopropyl Alcohol	67-63-0	4.0	U	4.0	9.8	U	9.8
Carbon Disulfide	75-15-0	0.40	U	0.40	1.2	U	1.2
3-Chloropropene	107-05-1	0.40	U	0.40	1.3	U	1.3
Methylene Chloride	75-09-2	0.40	U	0.40	1.4	U	1.4
tert-Butyl Alcohol	75-65-0	4.0	U	4.0	12	U	12
Methyl tert-Butyl Ether	1634-04-4	0.40	U	0.40	1.4	U	1.4
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
n-Hexane	110-54-3	0.54		0.40	1.9		1.4
1,1-Dichloroethane	75-34-3	0.16	U	0.16	0.65	U	0.65
Methyl Ethyl Ketone	78-93-3	0.43		0.40	1.3		1.2
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Tetrahydrofuran	109-99-9	4.0	U	4.0	12	U	12
Chloroform	67-66-3	0.16	U	0.16	0.78	U	0.78
1,1,1-Trichloroethane	71-55-6	0.16	U	0.16	0.87	U	0.87
Cyclohexane	110-82-7	0.16	U	0.16	0.55	U	0.55
Carbon Tetrachloride	56-23-5	0.16	U	0.16	1.0	U	1.0
2,2,4-Trimethylpentane	540-84-1	0.16	U	0.16	0.75	U	0.75
Benzene	71-43-2	0.16	U	0.16	0.51	U	0.51
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethane	107-06-2	0.16	U	0.16	0.65	U	0.65
n-Heptane	142-82-5	0.16	U	0.16	0.66	U	0.66

TO-14/15
Result Summary

CLIENT SAMPLE NO.

UW 021109

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784228

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
1,2-Dichloropropane	78-87-5	0.16	U	0.16	0.74	U	0.74
1,4-Dioxane	123-91-1	4.0	U	4.0	14	U	14
Bromodichloromethane	75-27-4	0.16	U	0.16	1.1	U	1.1
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.73	U	0.73
Methyl Isobutyl Ketone	108-10-1	0.40	U	0.40	1.6	U	1.6
Toluene	108-88-3	0.32		0.16	1.2		0.60
trans-1,3-Dichloropropene	10061-02-6	0.16	U	0.16	0.73	U	0.73
1,1,2-Trichloroethane	79-00-5	0.16	U	0.16	0.87	U	0.87
Tetrachloroethene	127-18-4	0.16	U	0.16	1.1	U	1.1
Methyl Butyl Ketone	591-78-6	0.40	U	0.40	1.6	U	1.6
Dibromochloromethane	124-48-1	0.16	U	0.16	1.4	U	1.4
1,2-Dibromoethane	106-93-4	0.16	U	0.16	1.2	U	1.2
Chlorobenzene	108-90-7	0.16	U	0.16	0.74	U	0.74
Ethylbenzene	100-41-4	0.16	U	0.16	0.69	U	0.69
Xylene (m,p)	1330-20-7	0.40	U	0.40	1.7	U	1.7
Xylene (o)	95-47-6	0.16	U	0.16	0.69	U	0.69
Styrene	100-42-5	0.16	U	0.16	0.68	U	0.68
Bromoform	75-25-2	0.16	U	0.16	1.7	U	1.7
1,1,2,2-Tetrachloroethane	79-34-5	0.16	U	0.16	1.1	U	1.1
Xylene (total)	1330-20-7	0.16	U	0.16	0.69	U	0.69
4-Ethyltoluene	622-96-8	0.16	U	0.16	0.79	U	0.79
1,3,5-Trimethylbenzene	108-67-8	0.16	U	0.16	0.79	U	0.79
2-Chlorotoluene	95-49-8	0.16	U	0.16	0.83	U	0.83
1,2,4-Trimethylbenzene	95-63-6	0.16	U	0.16	0.79	U	0.79
1,3-Dichlorobenzene	541-73-1	0.16	U	0.16	0.96	U	0.96
1,4-Dichlorobenzene	106-46-7	0.16	U	0.16	0.96	U	0.96
1,2-Dichlorobenzene	95-50-1	0.16	U	0.16	0.96	U	0.96
1,2,4-Trichlorobenzene	120-82-1	0.40	U	0.40	3.0	U	3.0
Hexachlorobutadiene	87-68-3	0.16	U	0.16	1.7	U	1.7
Naphthalene	91-20-3	0.40	U	0.40	2.1	U	2.1

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-27

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 15.40

Sample Matrix: AIR

Lab Sample No.: 784229

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	7.7	U J	7.7	38	U J	38
1,2-Dichlorotetrafluoroethane	76-14-2	3.1	U J	3.1	22	U J	22
Chloromethane	74-87-3	7.7	U J	7.7	16	U J	16
Vinyl Chloride	75-01-4	3.1	U J	3.1	7.9	U J	7.9
1,3-Butadiene	106-99-0	35	J	7.7	77	J	17
Bromomethane	74-83-9	3.1	U J	3.1	12	U J	12
Chloroethane	75-00-3	7.7	U J	7.7	20	U J	20
Bromoethene	593-60-2	3.1	U J	3.1	14	U J	14
Trichlorofluoromethane	75-69-4	3.1	U J	3.1	17	U J	17
Freon TF	76-13-1	3.1	U J	3.1	24	U J	24
1,1-Dichloroethene	75-35-4	3.1	U J	3.1	12	U J	12
Acetone	67-64-1	77	U J	77	180	U J	180
Isopropyl Alcohol	67-63-0	77	U J	77	190	U J	190
Carbon Disulfide	75-15-0	7.7	U J	7.7	24	U J	24
3-Chloropropene	107-05-1	7.7	U J	7.7	24	U J	24
Methylene Chloride	75-09-2	7.7	U J	7.7	27	U J	27
tert-Butyl Alcohol	75-65-0	77	U J	77	230	U J	230
Methyl tert-Butyl Ether	1634-04-4	7.7	U J	7.7	28	U J	28
trans-1,2-Dichloroethene	156-60-5	3.1	U J	3.1	12	U J	12
n-Hexane	110-54-3	7.7	U J	7.7	27	U J	27
1,1-Dichloroethane	75-34-3	3.1	U J	3.1	13	U J	13
Methyl Ethyl Ketone	78-93-3	8.9	J	7.7	26	J	23
cis-1,2-Dichloroethene	156-59-2	3.1	U J	3.1	12	U J	12
Tetrahydrofuran	109-99-9	77	U J	77	230	U J	230
Chloroform	67-66-3	3.1	U J	3.1	15	U J	15
1,1,1-Trichloroethane	71-55-6	3.1	U J	3.1	17	U J	17
Cyclohexane	110-82-7	3.1	U J	3.1	11	U J	11
Carbon Tetrachloride	56-23-5	3.1	U J	3.1	20	U J	20
2,2,4-Trimethylpentane	540-84-1	3.1	U J	3.1	14	U J	14
Benzene	71-43-2	25	J	3.1	80	J	9.9
1,2-Dichloroethene (total)	540-59-0	3.1	U J	3.1	12	U J	12
1,2-Dichloroethane	107-06-2	3.1	U J	3.1	13	U J	13
n-Heptane	142-82-5	3.1	U J	3.1	13	U J	13

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-27

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 15.40

Sample Matrix: AIR

Lab Sample No.: 784229

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Trichloroethene	79-01-6	3.1	U J	3.1	17	U J	17
1,2-Dichloropropane	78-87-5	3.1	U J	3.1	14	U J	14
1,4-Dioxane	123-91-1	77	U J	77	280	U J	280
Bromodichloromethane	75-27-4	3.1	U J	3.1	21	U J	21
cis-1,3-Dichloropropene	10061-01-5	3.1	U J	3.1	14	U J	14
Methyl Isobutyl Ketone	108-10-1	7.7	U J	7.7	32	U J	32
Toluene	108-88-3	9.6	J	3.1	36	J	12
trans-1,3-Dichloropropene	10061-02-6	3.1	U J	3.1	14	U J	14
1,1,2-Trichloroethane	79-00-5	3.1	U J	3.1	17	U J	17
Tetrachloroethene	127-18-4	260	J	3.1	1800	J	21
Methyl Butyl Ketone	591-78-6	7.7	U J	7.7	32	U J	32
Dibromochloromethane	124-48-1	3.1	U J	3.1	26	U J	26
1,2-Dibromoethane	106-93-4	3.1	U J	3.1	24	U J	24
Chlorobenzene	108-90-7	3.1	U J	3.1	14	U J	14
Ethylbenzene	100-41-4	3.1	U J	3.1	13	U J	13
Xylene (m,p)	1330-20-7	7.7	U J	7.7	33	U J	33
Xylene (o)	95-47-6	3.1	U J	3.1	13	U J	13
Styrene	100-42-5	3.1	U J	3.1	13	U J	13
Bromoform	75-25-2	3.1	U J	3.1	32	U J	32
1,1,2,2-Tetrachloroethane	79-34-5	3.1	U J	3.1	21	U J	21
Xylene (total)	1330-20-7	3.1	U J	3.1	13	U J	13
4-Ethyltoluene	622-96-8	3.1	U J	3.1	15	U J	15
1,3,5-Trimethylbenzene	108-67-8	3.1	U J	3.1	15	U J	15
2-Chlorotoluene	95-49-8	3.1	U J	3.1	16	U J	16
1,2,4-Trimethylbenzene	95-63-6	3.1	U J	3.1	15	U J	15
1,3-Dichlorobenzene	541-73-1	3.1	U J	3.1	19	U J	19
1,4-Dichlorobenzene	106-46-7	3.1	U J	3.1	19	U J	19
1,2-Dichlorobenzene	95-50-1	3.1	U J	3.1	19	U J	19
1,2,4-Trichlorobenzene	120-82-1	7.7	U J	7.7	57	U J	57
Hexachlorobutadiene	87-68-3	3.1	U J	3.1	33	U J	33
Naphthalene	91-20-3	7.7	U J	7.7	40	U J	40

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-24

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784230

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.45		0.40	2.2		2.0
1,2-Dichlorotetrafluoroethane	76-14-2	0.16	U	0.16	1.1	U	1.1
Chloromethane	74-87-3	0.40	U	0.40	0.83	U	0.83
Vinyl Chloride	75-01-4	0.16	U	0.16	0.41	U	0.41
1,3-Butadiene	106-99-0	0.51		0.40	1.1		0.88
Bromomethane	74-83-9	0.16	U	0.16	0.62	U	0.62
Chloroethane	75-00-3	0.40	U	0.40	1.1	U	1.1
Bromoethene	593-60-2	0.16	U	0.16	0.70	U	0.70
Trichlorofluoromethane	75-69-4	0.31		0.16	1.7		0.90
Freon TF	76-13-1	0.16	U	0.16	1.2	U	1.2
1,1-Dichloroethene	75-35-4	0.16	U	0.16	0.63	U	0.63
Acetone	67-64-1	6.9		4.0	16		9.5
Isopropyl Alcohol	67-63-0	5.5		4.0	14		9.8
Carbon Disulfide	75-15-0	0.40	U	0.40	1.2	U	1.2
3-Chloropropene	107-05-1	0.40	U	0.40	1.3	U	1.3
Methylene Chloride	75-09-2	0.40	U	0.40	1.4	U	1.4
tert-Butyl Alcohol	75-65-0	4.0	U	4.0	12	U	12
Methyl tert-Butyl Ether	1634-04-4	0.40	U	0.40	1.4	U	1.4
trans-1,2-Dichloroethene	156-60-5	0.16	U	0.16	0.63	U	0.63
n-Hexane	110-54-3	0.51		0.40	1.8		1.4
1,1-Dichloroethane	75-34-3	0.16	U	0.16	0.65	U	0.65
Methyl Ethyl Ketone	78-93-3	1.3		0.40	3.8		1.2
cis-1,2-Dichloroethene	156-59-2	0.16	U	0.16	0.63	U	0.63
Tetrahydrofuran	109-99-9	4.0	U	4.0	12	U	12
Chloroform	67-66-3	0.16	U	0.16	0.78	U	0.78
1,1,1-Trichloroethane	71-55-6	0.16	U	0.16	0.87	U	0.87
Cyclohexane	110-82-7	0.16	U	0.16	0.55	U	0.55
Carbon Tetrachloride	56-23-5	0.16	U	0.16	1.0	U	1.0
2,2,4-Trimethylpentane	540-84-1	0.16	U	0.16	0.75	U	0.75
Benzene	71-43-2	0.23		0.16	0.73		0.51
1,2-Dichloroethene (total)	540-59-0	0.16	U	0.16	0.63	U	0.63
1,2-Dichloroethane	107-06-2	0.16	U	0.16	0.65	U	0.65
n-Heptane	142-82-5	0.28		0.16	1.1		0.66

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-24

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784230

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Trichloroethene	79-01-6	0.16	U	0.16	0.86	U	0.86
1,2-Dichloropropane	78-87-5	0.16	U	0.16	0.74	U	0.74
1,4-Dioxane	123-91-1	4.0	U	4.0	14	U	14
Bromodichloromethane	75-27-4	0.16	U	0.16	1.1	U	1.1
cis-1,3-Dichloropropene	10061-01-5	0.16	U	0.16	0.73	U	0.73
Methyl Isobutyl Ketone	108-10-1	0.40	U	0.40	1.6	U	1.6
Toluene	108-88-3	0.42		0.16	1.6		0.60
trans-1,3-Dichloropropene	10061-02-6	0.16	U	0.16	0.73	U	0.73
1,1,2-Trichloroethane	79-00-5	0.16	U	0.16	0.87	U	0.87
Tetrachloroethene	127-18-4	1.9		0.16	13		1.1
Methyl Butyl Ketone	591-78-6	0.40	U	0.40	1.6	U	1.6
Dibromochloromethane	124-48-1	0.16	U	0.16	1.4	U	1.4
1,2-Dibromoethane	106-93-4	0.16	U	0.16	1.2	U	1.2
Chlorobenzene	108-90-7	0.16	U	0.16	0.74	U	0.74
Ethylbenzene	100-41-4	0.16	U	0.16	0.69	U	0.69
Xylene (m,p)	1330-20-7	0.40	U	0.40	1.7	U	1.7
Xylene (o)	95-47-6	0.16	U	0.16	0.69	U	0.69
Styrene	100-42-5	0.16	U	0.16	0.68	U	0.68
Bromoform	75-25-2	0.16	U	0.16	1.7	U	1.7
1,1,2,2-Tetrachloroethane	79-34-5	0.16	U	0.16	1.1	U	1.1
Xylene (total)	1330-20-7	0.16	U	0.16	0.69	U	0.69
4-Ethyltoluene	622-96-8	0.16	U	0.16	0.79	U	0.79
1,3,5-Trimethylbenzene	108-67-8	0.16	U	0.16	0.79	U	0.79
2-Chlorotoluene	95-49-8	0.16	U	0.16	0.83	U	0.83
1,2,4-Trimethylbenzene	95-63-6	0.16	U	0.16	0.79	U	0.79
1,3-Dichlorobenzene	541-73-1	0.16	U	0.16	0.96	U	0.96
1,4-Dichlorobenzene	106-46-7	0.16	U	0.16	0.96	U	0.96
1,2-Dichlorobenzene	95-50-1	0.16	U	0.16	0.96	U	0.96
1,2,4-Trichlorobenzene	120-82-1	0.40	U	0.40	3.0	U	3.0
Hexachlorobutadiene	87-68-3	0.16	U	0.16	1.7	U	1.7
Naphthalene	91-20-3	0.40	U	0.40	2.1	U	2.1

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-23

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784231

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Dichlorodifluoromethane	75-71-8	0.52	J	0.40	2.6	J	2.0
1,2-Dichlorotetrafluoroethane	76-14-2	0.16	UJ	0.16	1.1	UJ	1.1
Chloromethane	74-87-3	0.40	UJ	0.40	0.83	UJ	0.83
Vinyl Chloride	75-01-4	0.16	UJ	0.16	0.41	UJ	0.41
1,3-Butadiene	106-99-0	1.4	J	0.40	3.1	J	0.88
Bromomethane	74-83-9	0.16	UJ	0.16	0.62	UJ	0.62
Chloroethane	75-00-3	0.40	UJ	0.40	1.1	UJ	1.1
Bromoethene	593-60-2	0.16	UJ	0.16	0.70	UJ	0.70
Trichlorofluoromethane	75-69-4	0.34	J	0.16	1.9	J	0.90
Freon TF	76-13-1	0.16	UJ	0.16	1.2	UJ	1.2
1,1-Dichloroethene	75-35-4	0.16	UJ	0.16	0.63	UJ	0.63
Acetone	67-64-1	16	J	4.0	38	J	9.5
Isopropyl Alcohol	67-63-0	4.0	UJ	4.0	9.8	UJ	9.8
Carbon Disulfide	75-15-0	0.40	UJ	0.40	1.2	UJ	1.2
3-Chloropropene	107-05-1	0.40	UJ	0.40	1.3	UJ	1.3
Methylene Chloride	75-09-2	0.40	UJ	0.40	1.4	UJ	1.4
tert-Butyl Alcohol	75-65-0	4.0	UJ	4.0	12	UJ	12
Methyl tert-Butyl Ether	1634-04-4	0.40	UJ	0.40	1.4	UJ	1.4
trans-1,2-Dichloroethene	156-60-5	0.16	UJ	0.16	0.63	UJ	0.63
n-Hexane	110-54-3	1.3	J	0.40	4.6	J	1.4
1,1-Dichloroethane	75-34-3	0.16	UJ	0.16	0.65	UJ	0.65
Methyl Ethyl Ketone	78-93-3	2.8	J	0.40	8.3	J	1.2
cis-1,2-Dichloroethene	156-59-2	0.16	UJ	0.16	0.63	UJ	0.63
Tetrahydrofuran	109-99-9	4.0	UJ	4.0	12	UJ	12
Chloroform	67-66-3	0.16	UJ	0.16	0.78	UJ	0.78
1,1,1-Trichloroethane	71-55-6	0.16	UJ	0.16	0.87	UJ	0.87
Cyclohexane	110-82-7	0.16	UJ	0.16	0.55	UJ	0.55
Carbon Tetrachloride	56-23-5	0.16	UJ	0.16	1.0	UJ	1.0
2,2,4-Trimethylpentane	540-84-1	0.16	UJ	0.16	0.75	UJ	0.75
Benzene	71-43-2	0.65	J	0.16	2.1	J	0.51
1,2-Dichloroethene (total)	540-59-0	0.16	UJ	0.16	0.63	UJ	0.63
1,2-Dichloroethane	107-06-2	0.16	UJ	0.16	0.65	UJ	0.65
n-Heptane	142-82-5	0.43	J	0.16	1.8	J	0.66

TO-14/15
Result Summary

CLIENT SAMPLE NO.

SG-23

Lab Name: TAL Burlington

SDG Number: NY130076

Dilution Factor: 0.80

Sample Matrix: AIR

Lab Sample No.: 784231

Date Analyzed: 2/17/2009

Date Received: 2/12/2009

Target Compound	CAS Number	Results in ppbv	Q	RL in ppbv	Results in ug/m3	Q	RL in ug/m3
Trichloroethene	79-01-6	0.16	U J	0.16	0.86	U J	0.86
1,2-Dichloropropane	78-87-5	0.16	U J	0.16	0.74	U J	0.74
1,4-Dioxane	123-91-1	4.0	U J	4.0	14	U J	14
Bromodichloromethane	75-27-4	0.16	U J	0.16	1.1	U J	1.1
cis-1,3-Dichloropropene	10061-01-5	0.16	U J	0.16	0.73	U J	0.73
Methyl Isobutyl Ketone	108-10-1	0.40	U J	0.40	1.6	U J	1.6
Toluene	108-88-3	0.47	J	0.16	1.8	J	0.60
trans-1,3-Dichloropropene	10061-02-6	0.16	U J	0.16	0.73	U J	0.73
1,1,2-Trichloroethane	79-00-5	0.16	U J	0.16	0.87	U J	0.87
Tetrachloroethene	127-18-4	0.16	U J	0.16	1.1	U J	1.1
Methyl Butyl Ketone	591-78-6	0.40	U J	0.40	1.6	U J	1.6
Dibromochloromethane	124-48-1	0.16	U J	0.16	1.4	U J	1.4
1,2-Dibromoethane	106-93-4	0.16	U J	0.16	1.2	U J	1.2
Chlorobenzene	108-90-7	0.16	U J	0.16	0.74	U J	0.74
Ethylbenzene	100-41-4	0.16	U J	0.16	0.69	U J	0.69
Xylene (m,p)	1330-20-7	0.40	U J	0.40	1.7	U J	1.7
Xylene (o)	95-47-6	0.16	U J	0.16	0.69	U J	0.69
Styrene	100-42-5	0.16	U J	0.16	0.68	U J	0.68
Bromoform	75-25-2	0.16	U J	0.16	1.7	U J	1.7
1,1,2,2-Tetrachloroethane	79-34-5	0.16	U J	0.16	1.1	U J	1.1
Xylene (total)	1330-20-7	0.16	U J	0.16	0.69	U J	0.69
4-Ethyltoluene	622-96-8	0.16	U J	0.16	0.79	U J	0.79
1,3,5-Trimethylbenzene	108-67-8	0.16	U J	0.16	0.79	U J	0.79
2-Chlorotoluene	95-49-8	0.16	U J	0.16	0.83	U J	0.83
1,2,4-Trimethylbenzene	95-63-6	0.16	U J	0.16	0.79	U J	0.79
1,3-Dichlorobenzene	541-73-1	0.16	U J	0.16	0.96	U J	0.96
1,4-Dichlorobenzene	106-46-7	0.16	U J	0.16	0.96	U J	0.96
1,2-Dichlorobenzene	95-50-1	0.16	U J	0.16	0.96	U J	0.96
1,2,4-Trichlorobenzene	120-82-1	0.40	U J	0.40	3.0	U J	3.0
Hexachlorobutadiene	87-68-3	0.16	U J	0.16	1.7	U J	1.7
Naphthalene	91-20-3	0.40	U J	0.40	2.1	U J	2.1

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCADI SAMPLE NO.

DUP 021009

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130076

Matrix: (soil/water) AIR Lab Sample ID: 784224

Sample wt/vol: _____ (g/mL) ML Lab File ID: 21FEB091229-R011

Level: (low/med) LOW Date Received: 02/12/09

% Moisture: not dec. _____ Date Analyzed: 02/21/09

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	2.5	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCADI SAMPLE NO.

SG-22

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130076

Matrix: (soil/water) AIR Lab Sample ID: 784225

Sample wt/vol: _____ (g/mL) ML Lab File ID: 21FEB091229-R021

Level: (low/med) LOW Date Received: 02/12/09

% Moisture: not dec. _____ Date Analyzed: 02/21/09

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.6

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	2.6	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCADI SAMPLE NO.

SG-23

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130076

Matrix: (soil/water) AIR Lab Sample ID: 784231

Sample wt/vol: _____ (g/mL) ML Lab File ID: 21FEB091229-R071

Level: (low/med) LOW Date Received: 02/12/09

% Moisture: not dec. _____ Date Analyzed: 02/21/09

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.5

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	%.V/V	Q
7440-59-7	Helium		2.6	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCADI SAMPLE NO.

SG-24

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130076

Matrix: (soil/water) AIR Lab Sample ID: 784230

Sample wt/vol: _____ (g/mL) ML Lab File ID: 21FEB091229-R061

Level: (low/med) LOW Date Received: 02/12/09

% Moisture: not dec. _____ Date Analyzed: 02/21/09

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.6

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	2.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCADI SAMPLE NO.

SG-25

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130076

Matrix: (soil/water) AIR Lab Sample ID: 784226

Sample wt/vol: _____ (g/mL) ML Lab File ID: 21FEB091229-R031

Level: (low/med) LOW Date Received: 02/12/09

% Moisture: not dec. _____ Date Analyzed: 02/21/09

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.6

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	2.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCADI SAMPLE NO.

SG-26

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130076

Matrix: (soil/water) AIR Lab Sample ID: 784227

Sample wt/vol: _____ (g/mL) ML Lab File ID: 21FEB091229-R041

Level: (low/med) LOW Date Received: 02/12/09

% Moisture: not dec. _____ Date Analyzed: 02/21/09

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.6

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	2.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

ARCADI SAMPLE NO.

SG-27

Lab Name: TESTAMERICA BURLINGTON Contract: 29000

Lab Code: STLV Case No.: 29000 SAS No.: SDG No.: NY130076

Matrix: (soil/water) AIR Lab Sample ID: 784229

Sample wt/vol: _____ (g/mL) ML Lab File ID: 21FEB091229-R051

Level: (low/med) LOW Date Received: 02/12/09

% Moisture: not dec. _____ Date Analyzed: 02/21/09

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.4

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	2.5	U

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: John Brussel	Samples Collected By: D. Zack	1 of 2 COCs
Company: Arcadis	Phone: 315-671-9441		
Address: 2749 Towpath Rd	Email:		
City/State/Zip: Syracuse NY 13214	Site Contact: D. Zack		
Phone: 315-671-9441	STL Contact: Ron Pentkowski		
FAX: same as phone	Analysis Turnaround Time		
Project Name: Baker	Standard (Specify) ✓		
Site: Hicksville, NY	Rush (Specify)		
PO # B0032305.0001.00000			

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
DUP 021009	2/10/09		[illegible]	[illegible]	-6	3733	HF045	✓							✓			
SG-22			12:28	[illegible]	-6	4112	HF042	✓							✓			
SG-25			16:13	[illegible]	-6	4135	HF086	✓							✓			
SG-26			17:17	[illegible]	-6	4795	HF026	✓							✓			

Temperature (Fahrenheit)	Interior	Ambient
Start		≈ 50°
Stop		≈ 45°

Pressure (inches of Hg)	Interior	Ambient
Start		[illegible] 30.28
Stop		[illegible]

Special Instructions/QC Requirements & Comments:
Please contact John Brussel w/ questions or Andrea Emick

Samples Shipped by:	Date/Time: 2/11/09 1900	Samples Received by: [illegible] 1000 2/12/09
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only Shipper Name: Opened by: Condition:

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Manager: John Brussel	Samples Collected By: D. Zuch	2 of 2 COCs
Company: Arcadis	Phone: 315-671-9441		
Address: 2723 Toupath Rd	Email:		
City/State/Zip Syracuse NY 13214			
Phone: 315-671-9441	Site Contact: D. Zuch		
FAX: same as phone	STL Contact: Rob Pentkowski		
Project Name: Bayer	**Analysis Turnaround Time**		
Site: Hicksville, NY	Standard (Specify) ✓		
PO # B00032305.0001.00006	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
UW021109	2/11/09	1445	1800	-30	-20	3447	4820	✓										
SG-27	2/10/09	✓	1735	—	-6	4589	4812	✓										
SG-24	2/10/09	✓	1513	—	-6	HF104	4450	✓										
SG-23	2/10/09	✓	1142	—	-6	HF046	4442	✓										

Temperature (Fahrenheit)	Interior	Ambient
Start		≈50
Stop		≈45

Pressure (inches of Hg)	Interior	Ambient
Start		30.28
Stop		29.71

Special Instructions/QC Requirements & Comments: Please contact J. Brussel or Andrea Enck w/Results

Samples Shipped by: Dan Zuch	Date/Time: 2/11/09 1900	Samples Received by: Andrea Enck 1000 2/12/09
Samples Relinquished by:	Date/Time:	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only Shipper Name: Opened by: Condition: