Appendix D
Details of Air Sampling

Table D-1: Details of Ambient Air Sampling – RSE Investigation

Batch #	Location	Location Based on Wind Pattern	EPA ID	Earth Tech ID	Date of Start	Time Started	Time Stopped	Initial Pressure (psi)	Final Pressure (psi)
1	A1- NE corner	Upwind	LK001	AA 3-A1SG-S01-D000	10/8/2002	18:45	6:39	28.2	6.5
	A2 - Center	Downwind	LK002	AA 3-A2SG-S01-D000	10/8/2002	18:52	6:42	27	6.5
	A3 - SW corner	Downwind	LK003	AA 3-A3SG-S01-D000	10/8/2002	18:56	6:46	29	6.5
		Downwind	LK004	AA 3-A3SG-D02-D000	10/8/2002	18:56	6:46	27	0
2	A1 - NE corner	Downwind	LK014	AA 3-A1SG-S02-D000	10/9/2002	7:30	18:30	Unknown*	5
	A2 - Center	Downwind	LK015	AA 3-A2SG-S02-D000	10/9/2002	7:14	18:40	28.5	7.5
	A3 - SW corner	Upwind	LK016	AA 3-A3SG-S03-D000	10/9/2002	7:07	18:35	25.5	5.5

NOTES:

Even though the canister was adequately pressurized, the gauge reading was not indicating appropriate pressure reading due to malfunction, therefore, the initial pressure reading could not recorded.

psi = pounds per square inch

Table D-2: Ambient Air Analytical Results- RSE Investigation

Parameter	Sample ID:	LK001	LK002	LK003	LK004	LK014	LK015	LK016
	Location ID:	AA3-A01	AA3-A02	AA3-A03	AA3-A03	AA3-A01	AA3-A02	AA3-A03
	Sample Type:	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular
	Sample Date:	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002
VOCs (EPA Method TO-14)	Units							
1,1,1-Trichloroethane	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,1,2,2-Tetrachloroethane	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,1,2-Trichloroethane	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,1-Dichloroethane	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,1-Dichloroethene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,2,4-Trichlorobenzene	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
1,2,4-Trimethylbenzene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,2-Dibromoethane (EDB)	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,2-Dichlorobenzene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,2-Dichloroethane	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,2-Dichloropropane	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,3,5-Trimethylbenzene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,3-Butadiene	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
1,3-Dichlorobenzene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,4-Dichlorobenzene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
1,4-Dioxane	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
2-Butanone (Methyl Ethyl Ketone)	ppb_v	3.4 U	3.4 U	3.4 U	6.5	3.4 U	3.6 U	3.6 U
2-Hexanone	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
2-Propanol	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
4-Ethyltoluene	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
4-Methyl-2-pentanone	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Acetone	ppb_v	5.8	12	5.7	9.6	7.5	6.2	7.8
alpha-Chlorotoluene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Benzene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Bromodichloromethane	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Bromoform	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Bromomethane	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Carbon Disulfide	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Carbon Tetrachloride	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Chlorobenzene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U

Table D-2: Ambient Air Analytical Results- RSE Investigation

Parameter	Sample ID:	LK001	LK002	LK003	LK004	LK014	LK015	LK016
	Location ID:	AA3-A01	AA3-A02	AA3-A03	AA3-A03	AA3-A01	AA3-A02	AA3-A03
	Sample Type:	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular
	Sample Date:	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002
VOCs (EPA Method TO-14)	Units							
Chloroethane	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Chloroform	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Chloromethane	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 UJ	0.9 UJ	0.9 UJ
cis-1,2-Dichloroethene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
cis-1,3-Dichloropropene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Cyclohexane	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Dibromochloromethane	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Ethanol	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	5.5	4	5.4
Ethyl Benzene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Freon 11	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Freon 113	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Freon 114	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Freon 12	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Heptane	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Hexachlorobutadiene	ppb_v	3.4 UJ	3.4 UJ	3.4 UJ	3.4 UJ	3.4 U	3.6 U	3.6 U
Hexane	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
m,p-Xylene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Methyl tert-Butyl Ether	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Methylene Chloride	ppb_v	1.3	1.4	1.1	0.9	0.98	1	1
o-Xylene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Propylene	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Styrene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Tetrachloroethene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Tetrahydrofuran	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Toluene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.9	0.93	0.9 U
trans-1,2-Dichloroethene	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
trans-1,3-Dichloropropene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Trichloroethene	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U
Vinyl Acetate	ppb_v	3.4 U	3.4 U	3.4 U	3.4 U	3.4 U	3.6 U	3.6 U
Vinyl Chloride	ppb_v	0.84 U	0.84 U	0.84 U	0.86 U	0.86 U	0.9 U	0.9 U

Table D-2: Ambient Air Analytical Results- RSE Investigation

Parameter	Sample ID:	LK001	LK002	LK003	LK004	LK014	LK015	LK016
	Location ID:	AA3-A01	AA3-A02	AA3-A03	AA3-A03	AA3-A01	AA3-A02	AA3-A03
	Sample Type:	Regular	Regular	Regular	Duplicate	Regular	Regular	Regular
	Sample Date:	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002
Fixed Gases (ASTM D-1946)	Units							
Carbon Dioxide	%	0.045	0.047	0.046	0.047	0.044	0.042	0.043
Carbon Monoxide	%	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0017 U	0.0018 U	0.0018 U
Hydrogen	%	0.017 U	0.017 U	0.017 U	0.017 U	0.017 U	0.018 U	0.018 U
Methane	%	0.00021	0.00020	0.00022	0.00022	0.0002	0.0002	0.00026
Nitrogen	%	78	78	78	78	80	80	80
Oxygen	%	22	22	22	22	20	20	20

NOTES:
ppb_v = parts per billion (volume)
% = percent
VOCs = volatile organic compounds
AA3 = Anomaly Area 3
RSE = Removal Site Evaluation
U = indicates the analyte was not detected at or above the stated limit.
UJ = indicates the analyte was not detected at or above the stated limit. The sample detection limit is an estimated value.

Table D-3: Details of Integrated Air Sampling – RSE Investigation

Grid #	Sampling Date	Starting and Ending Time	Time (mins)	Flame ionization Detector Reading (ppm)	Carbon Dioxide (ppm)	Lower Explosive Limit (%)	Oxygen (%)	Methane (%)	Sample ID	Earth Tech Sample ID	Canister Initial Pressure (psi)	Canister Final Pressure (psi)
1	10/8/2002	13:10	Start	27.3	0	0	20.9	0				
		13:34	24	44	0	0	21	0	LK005	AA 3-IN1SG-S01-D000	28.5	10.7
2	10/8/2002	14:00	Start	0	0	0	—	0				
		14:25	25	4.8	0	0	21.2	0	LK006	AA 3-IN2SG-S01-D000	26.5	12.7
3	10/9/2002	8:20	Start	0	0	0	20.7	0				
		8:45	25	0	0	0	20.9	0	LK007	AA 3-IN3SG-S01-D000	28.7	10.5
4	10/9/2002	9:14	Start	—	—	—	—	—				
		9:39	25						LK008	AA 3-IN4SG-S01-D000	>30	15
5	10/9/2002	10:48	Start	—	—	—	—	—				
		11:13	25	—	—	—	—	—	LK009	AA 3-IN5SG-S01-D000	29.5	10
6	10/9/2002	12:34	Start	—	—	—	—	—				
		12:59	25	—	—	—	—	—	LK010	AA 3-IN6SG-S01-D000	27.6	8.2
7	10/9/2002	13:30	Start	—	—	—	—	—				
		13:55	25	—	—	—	—	—	LK011	AA 3-IN7SG-S01-D000	29.5	11.5
8	10/9/2002	14:10	Start	—	—	—	—	—				
		14:35	25	—	—	—	—	—	LK012	AA 3-IN8SG-S01-D000	27.2	10.8
8	10/9/2002	14:10	Start	—	—	—	—	—				
		14:35	25	—	—	—	—	—	LK013	AA 3-IN8SG-D02-D000	27	10.5

Table D-4: Integrated Air Analytical Results - RSE Investigation

Parameter	Sample ID:	LK005	LK006	LK007	LK008	LK009	LK010	LK011	LK012	LK013
	Location ID:	AA3-ING01	AA3-ING02	AA3-ING03	AA3-ING04	AA3-ING05	AA3-ING06	AA3-ING07	AA3-ING08	AA3-ING08
	Sample Type:	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate
	Sample Date:	10/8/2002	10/8/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002
VOCs (EPA Method TO-14)	Units									
1,1,1-Trichloroethane	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1,2-Trichloroethane	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2,4-Trichlorobenzene	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
1,2,4-Trimethylbenzene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dibromoethane (EDB)	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichlorobenzene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichloroethane	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,2-Dichloropropane	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,3,5-Trimethylbenzene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,3-Butadiene	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
1,3-Dichlorobenzene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,4-Dichlorobenzene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,4-Dioxane	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
2-Butanone (Methyl Ethyl Ketone)	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
2-Hexanone	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
2-Propanol	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	6
4-Ethyltoluene	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
4-Methyl-2-pentanone	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Acetone	ppb_v	16	13	5.3	6.4	8.8	13	10	9.4	10
alpha-Chlorotoluene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Benzene	ppb_v	6	6.4	3.7	7	15	43	42	33	25
Bromodichloromethane	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Bromoform	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Bromomethane	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Carbon Disulfide	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Carbon Tetrachloride	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chlorobenzene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chloroethane	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chloroform	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Chloromethane	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 UJ
cis-1,2-Dichloroethene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
cis-1,3-Dichloropropene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Cyclohexane	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U

Table D-4: Integrated Air Analytical Results - RSE Investigation

Parameter	Sample ID:	LK005	LK006	LK007	LK008	LK009	LK010	LK011	LK012	LK013
	Location ID:	AA3-ING01	AA3-ING02	AA3-ING03	AA3-ING04	AA3-ING05	AA3-ING06	AA3-ING07	AA3-ING08	AA3-ING08
	Sample Type:	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Regular	Duplicate
	Sample Date:	10/8/2002	10/8/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002	10/9/2002
VOCs (EPA Method TO-14)	Units									
Dibromochloromethane	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Ethanol	ppb_v	5.1	6.6	3.8 U	6.6	4.5	7.1	6.2	5.4	12
Ethyl Benzene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 11	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 113	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 114	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Freon 12	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Heptane	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Hexachlorobutadiene	ppb_v	4.5 UJ	4.3 UJ	3.8 UJ	4.7 UJ	4 UJ	4.2 UJ	4.2 UJ	4.3 UJ	4.3 U
Hexane	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
m,p-Xylene	ppb_v	2.7	1.5	0.96 U	1.2 U	1.8	2.4	1.7	1.6	1.9
Methyl tert-Butyl Ether	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Methylene Chloride	ppb_v	1.1	1.3	1.2	1.2 U	1	1.4	1.2	1.4	1.1 U
o-Xylene	ppb_v	1.3	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Propylene	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Styrene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tetrachloroethene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tetrahydrofuran	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Toluene	ppb_v	3.6	1.8	0.96 U	1.2 U	2.2	2.7	2.2	1.7	2.5
trans-1,2-Dichloroethene	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
trans-1,3-Dichloropropene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Trichloroethene	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Vinyl Acetate	ppb_v	4.5 U	4.3 U	3.8 U	4.7 U	4 U	4.2 U	4.2 U	4.3 U	4.3 U
Vinyl Chloride	ppb_v	1.1 U	1.1 U	0.96 U	1.2 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Fixed Gases (ASTM D-1946)										
Carbon Dioxide	%	0.047	0.046	0.044	0.045	0.048	0.045	0.044	NA	0.042
Carbon Monoxide	%	0.0022 U	0.0022 U	0.0019 U	0.0024 U	0.002 U	0.0021 U	0.0021 U	NA	0.0022 U
Hydrogen	%	0.022 U	0.022 U	0.019 U	0.024 U	0.02 U	0.021 U	0.021 U	NA	0.022 U
Methane	%	0.0003	0.00022 U	0.00025	0.00024 U	0.0002 U	0.00021 U	0.00022	NA	0.00024
Nitrogen	%	78	78	79	79	79	78	78	NA	80
Oxygen	%	22	22	21	21	21	22	22	NA	20

NOTES:

ppb_v = parts per billion (volume)

% = percent

VOCs = volatile organic compounds

AA3 = Anomaly Area 3

RSE = Removal Site Evaluation

U = indicates the analyte was not detected at or above the s

UJ = indicates the analyte was not detected at or above the stated limit. The sample detection limit is an estimated value.

NA = not analyzed. Due to a laboratory error, the canister containing sample LK012 was inadvertently evacuated prior to final analysis.