Appendix C

Sub-Slab Air Analytical Summary and Lab Report

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Dichlorodifluoromethane	8-Feb-08	2.000		NS		NS		NS		2.030		NS		NS		NS		1.920		2.000		NS	
	27-Mar-08	NS		2.290		NS		NS		NS		2.150		NS		NS		NS		2.720		4.140	
	25-Apr-08	NS		NS		2.010		NS		NS		NS		2.110		NS		2.040		NS		2.160	
	29-May-08	NS		NS		NS		1.630		NS		NS		NS		1.620		1.680		1.660		NS	
	27-Jun-08	2.030		NS		NS		NS		2.520		NS		NS		NS		NS		2.270		2.480	
	31-Jul-08	NS		1.900		NS		NS		NS		NS		NS		NS		1.810		NS		1.870	
	28-Aug-08	NS		NS		3.130		NS		NS		NS		2.800		NS		2.750		2.880		NS	
	30-Sep-08	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		2.500	U	2.700	
	27-Oct-08	2.500	U	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		2.500	U
	25-Nov-08	NS		215.000		NS		NS		NS		11.700		NS		NS		2.500	U	5.100		NS	
	18-Dec-08	NS		NS		25.000		NS		NS		NS		2.500	U	NS		NS		2.500	U	2.500	U
	21-Jan-09	NS		NS		NS		2.500	U	NS		NS		NS		5.800		2.500	U	NS		2.500	U
	25-Feb-09	2.500	U	NS		NS		NS		19.400		NS		NS		NS		2.500	U	3.400		NS	
	26-Mar-09	NS		2.550		NS		NS		NS		2.480		NS		NS		NS		2.460		2.410	
	29-Apr-09	NS		NS		2.410		NS		NS		NS		3.780		NS		2.260		NS		2.400	
	22-Jul-09	2.420		NS		2.420		2.720		NS		2.500		NS		NS		2.370		2.480		NS	
	9-Oct-09	NS		2.730		NS		NS		2.770		NS		3.670		51.600	U	2.640		NS		2.790	
	15-Jan-10	2.500		NS		3.570		2.520		NS		2.610		NS		NS		2.290		2.250		NS	
	21-Apr-10	NS		0.568		NS		NS		2.200		NS		2.590		2.200		2.640		NS		2.430	
	16-Jul-10	3.360		NS		2.610		2.550		NS		2.980		NS		NS		3.150		3.290		NS	
	15-Oct-10	NS		3.130		NS		NS		2.670		NS		2.430		2.410		2.460		NS		2.430	
	26-Jan-11	2.470	U	2.200		NS		2.640		NS		1.980		NS		2.570		3.310		3.240		NS	
	28-Feb-11	NS		NS		2.470	U	NS		NS		NS		NS		NS		NS		NS		NS	
Chloromethane	8-Feb-08	2.440	U	NS		NS		NS		2.440	U	NS		NS		NS		2.440	U	2.440	U	NS	
	27-Mar-08	NS		2.670		NS		NS		NS		3.240		NS		NS		NS		2.440	U	2.440	U
	25-Apr-08	NS		NS		2.440	U	NS		NS		NS		2.440	U	NS		2.440	U	NS		2.440	U
	29-May-08	NS		NS		NS		2.440	U	NS		NS		NS		2.440	U	2.440	U	NS		NS	
	27-Jun-08	3.800	U	NS		NS		NS		2.440	U	NS		NS		NS		NS		2.440	U	2.440	U
	31-Jul-08	NS		4.640		NS		NS		NS		NS		NS		NS		2.440	U	NS		2.440	U
	28-Aug-08	NS		NS		2.440	U	NS		NS		NS		NS		2.440	U	2.440	U	2.440	U	NS	
	30-Sep-08	NS		NS		NS		1.000	U	NS		NS		NS		1.000	U	NS		1.000	U	1.000	U
	27-Oct-08	1.000	U	NS		NS		NS		1.000	U	NS		NS		NS		1.100		NS		3.500	
	25-Nov-08	NS		1.000	U	NS		NS		NS		1.000	U	NS		NS		1.000	U	1.000	U	NS	
	18-Dec-08	NS		NS		1.000	U	NS		NS		NS		1.000	U	NS		NS		1.400		1.000	U
	21-Jan-09	NS		NS		NS		1.000	U	NS		NS		NS		3.100		1.000	U	NS		1.000	U
	25-Feb-09	1.000		NS		NS		NS		1.000	U	NS		NS		NS		1.000	U	1.200		NS	
	26-Mar-09	NS		12.200	U	NS		NS		NS		24.400	U	NS		NS		NS		4.580		2.440	U
	29-Apr-09	NS		NS		22.400		NS		NS		NS		19.400		NS		2.440	U	NS		2.440	U
	22-Jul-09	18.500		NS		497.000	U	32.000		NS		41.900		NS		NS		2.440	U	6.290		NS	
	9-Oct-09	NS		2.440	U	NS		NS		2.440	U	NS		2.440	U	509.000	U	2.440	U	NS		2.440	U
	15-Jan-10	2.440	U	NS		2.780		2.440	U	NS		2.440		NS		NS		2.440	U	2.440		NS	
	21-Apr-10	NS		3.250		NS		NS		12.200	U	NS		12.200	U	12.200	U	2.440	U	NS		2.440	U
	16-Jul-10	1.320		NS		62.800		1.480		NS		7.790	U	NS		NS		1.030	U	1.030	U	NS	
	15-Oct-10	NS		1.030	U	NS		NS		1.030	U	NS	U	1.030	U	1.030	U	1.030	U	NS		1.030	U
	26-Jan-11	10.300	U	1.030	U	NS		1.030	U	NS		5.160	U	NS		5.160	U	5.160	U	5.160	U	NS	
	28-Feb-11	NS		NS		10.300	U	NS		NS		NS		NS		NS		NS		NS		NS	
Vinyl chloride*	8-Feb-08	0.050	U	NS		NS		NS		0.050	U	NS		NS		NS		0.050	U	0.050	U	NS	
	27-Mar-08	NS		0.051	U	NS		NS		NS		0.051	U	NS		NS		NS		0.051	U	0.051	U
	25-Apr-08	NS		NS		0.051	U	NS		NS		NS		0.750		NS		0.051	U	NS		0.051	U
	29-May-08	NS		NS		NS		0.050	U	NS		NS		NS		0.050	U	0.050	U	0.050	U	NS	
	27-Jun-08	0.080	U	NS		NS		NS		0.051	U	NS		NS		NS		NS		0.051	U	0.051	U
	31-Jul-08	NS		0.051	U	NS		NS		NS		NS		NS		NS		0.051	U	NS		0.051	U
	28-Aug-08	NS		NS		0.051	U	NS		NS		NS		0.051	U	NS		0.051	U	0.051	U	NS	
	30-Sep-08	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	NS		0.100		0.100	U
	27-Oct-08	0.100	U	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	NS		0.100	U
	25-Nov-08	NS		0.100	U	NS		NS		NS		0.100	U	NS		NS		0.100	U	0.100	U	NS	
	18-Dec-08	NS		NS		0.100	U	NS		NS		NS		0.100	U	NS		0.100	U	NS		0.100	U
	21-Jan-09	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	NS		0.100	U	NS	
	25-Feb-09	0.100	U	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	NS		0.100	U
	26-Mar-09	NS		0.255	U	NS		NS		NS		0.511	U	NS		NS		0.100	U	0.100	U	NS	
	29-Apr-09	NS		NS		0.061		NS		NS		NS		0.051	U	NS		0.051	U	0.051	U	0.051	U
	22-Jul-09	0.255	U	NS		0.255	U	0.511	U	NS		0.255	U	NS		NS		0.051	U	NS		0.051	U
	9-Oct-09	NS		1.720		NS		NS		0.051	U	NS	U	0.102		10.700	U	0.051	U	NS		NS	
	15-Jan-10	0.051	U	NS		0.061		0.051	U	NS		0.051	U	NS		NS		0.051	U	0.051	U	0.051	U
	21-Apr-10	NS		0.051	U	NS		NS		0.255	U	NS	U	0.256	U	0.255	U	0.051	U	NS		NS	
	16-Jul-10	0.051	U	NS		1.980		0.051	U	NS		0.386	U	NS		NS		0.051	U	0.051	U	NS	
	15-Oct-10	NS		0.051	U	NS		NS		0.051	U	NS	U	0.051	U	0.051	U	0.051	U	NS		0.051	U
	26-Jan-11	0.511	U	0.051	U	NS		0.051	U	NS		0.255	U	NS		0.255	U	0.255	U	0.255	U	NS	
	28-Feb-11	NS		NS		0.511	U	NS		NS		NS		NS		NS		NS		NS		NS	
Chloroethane	8-Feb-08	0.050	U	NS		NS		NS		0.050	U	NS		NS		NS		0.050	U	0.050	U	NS	
	27-Mar-08	NS		0.053	U	NS		NS		NS		0.053	U	NS		NS		NS		0.053	U	0.053	U
	25-Apr-08	NS		NS		0.053	U	NS		NS		NS		0.139		NS		0.053	U	NS		0.053	U
	29-May-08	NS		NS		NS		0.110		NS		NS		NS		0.100		0.070		0.050	U	NS	
	27-Jun-08	0.082	U	NS		NS		NS		0.132		NS		NS		NS		NS		0.053	U	0.053	U
	31-Jul-08	NS		0.053	U	NS		NS		NS		NS		NS		NS		0.053	U	NS		0.053	U
	28-Aug-08	NS		NS		0.053	U	NS		NS		NS		0.153		NS		0.053	U	0.075		NS	
	30-Sep-08	NS		NS		NS		1.300	U	NS		NS		NS		1.300	U	NS		1.300	U	1.300	U
	27-Oct-08	1.300	U	NS		NS		NS		1.300	U	NS		NS		NS		1.300	U	NS		1.600	
	25-Nov-08	NS		1.300	U	NS		NS		NS		1.300	U	NS		NS		1.300	U	1.300	U	NS	
	18-Dec-08	NS		NS		1.300	U	NS		NS		NS		1.300	U	NS		NS		1.300	U	1.300	U
	21-Jan-09	NS		NS		NS		1.300	U	NS		NS		NS		1.300	U	1.300	U	NS		1.300	U
	25-Feb-09	1.300	U	NS		NS		NS		1.300	U	NS		NS		NS		1.300	U	1.300	U	NS	
	26-Mar-09	NS		0.264	U	NS		NS		NS		0.527	U	NS		NS		NS		0.121		0.063	
	29-Apr-09	NS		NS		0.137		NS		NS		NS		0.063		NS		0.053	U	NS		0.053	U
	22-Jul-09	0.264	U	NS		10.800	U	0.527	U	NS		0.277		NS		NS		0.053	U	0.061		NS	
	9-Oct-09	NS		0.053	U	NS		NS		0.058		NS		0.406		11.000	U	0.053	U	NS		0.053	U
	15-Jan-10	0.053	U	NS		0.074		0.066		NS		0.053		NS		NS		0.053	U	0.053		NS	
	21-Apr-10	NS		0.074		NS		NS		0.264		NS		0.303		0.303		0.053	U	NS		0.116	
	16-Jul-10	0.100		NS		2.550		0.166		NS		0.198	U	NS		NS		0.053		0.087		NS	
	15-Oct-10	NS		0.053	U	NS		NS		0.082		NS		0.071		0.053	U	0.053	U	NS		0.053	U
	26-Jan-11	0.527	U	0.053	U	NS		0.077		NS		0.264	U	NS		0.264	U	0.264	U	0.264	U	NS	
	28-Feb-11	NS		NS		.527	U	NS		NS		NS		NS		NS		NS		NS		NS	

Date Modified: 3/28/2011

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Acetone	8-Feb-08	17.200		NS		NS		NS		4.750	U	NS		NS		NS		5.620		11.400		NS	
	27-Mar-08	NS		28.700		NS		NS		NS		NS		NS		NS		NS		217.000		12.400	
	25-Apr-08	NS		NS		188.000		NS		NS		NS		513.000		NS		34.000		NS		33.900	
	29-May-08	NS		NS		NS		40.900		NS		NS		NS		92.000		9.820		16.400		NS	
	27-Jun-08	107.000		NS		NS		NS		145.000		NS		NS		NS		NS		20.400		9.730	
	31-Jul-08	NS		101.000		NS		NS		NS		NS		NS		NS		14.400		NS		18.100	
	28-Aug-08	NS		NS		1130.000		NS		NS		NS		30.900		NS		46.000		47.800		NS	
	30-Sep-08	NS		NS		NS		32.800		NS		NS		NS		44.100		NS		9.400		12.800	
	27-Oct-08	19.600		NS		NS		NS		15.000		NS		NS		NS		17.900		NS		33.300	
	25-Nov-08	NS		148.000		NS		NS		NS		183.000		NS		NS		13.000		24.700		NS	
	18-Dec-08	NS		NS		856.000		NS		NS		NS		10.400		NS		NS		37.200		22.000	
	21-Jan-09	NS		NS		NS		19.100		NS		NS		NS		6.100		2.400	U	NS		4.800	
	25-Feb-09	28.600		NS		NS		NS		60.900		NS		NS		NS		9.500		8.300		NS	
	26-Mar-09	NS		102.000		NS		NS		NS		47.500	U	NS		NS		NS		50.600		64.800	
	29-Apr-09	NS		NS		1980.000		NS		NS		NS		23.300		NS		5.150		NS		22.100	
	22-Jul-09	58.500		NS		58.5		148.000		NS		87.800		NS		NS		96.000		88.100		NS	
	9-Oct-09	NS		25.700		NS		NS		49.700		NS		9.200		11100.000		6.510		NS		16.800	
	15-Jan-10	33.600		NS		90.900		22.800		NS		26.300		NS		NS		12.500		11.200		NS	
	21-Apr-10	NS		21.900		NS		NS		206.000		NS		263.000		2870.000		72.800		NS		73.400	
	16-Jul-10	654.000		NS		4800.000		202.000		NS		11400.000		NS		NS		8.340		21.100		NS	
	15-Oct-10	NS		11.300		NS		NS		26.000		NS		10.200		18.300		7.030		NS		21.200	
	26-Jan-11	114.000		26.800		NS		54.400		NS		34.400		NS		35.400		25.300		33.300		NS	
	28-Feb-11	NS		NS		80.800		NS		NS		NS		NS		NS		NS		NS		NS	
Trichlorofluoromethane	8-Feb-08	1.220		NS		NS		NS		1.220		NS		NS		NS		1.060		15.900		NS	
	27-Mar-08	NS		1.270		NS		NS		NS		1.180		NS		NS		NS		12.000		9.020	
	25-Apr-08	NS		NS		1.180		NS		NS		NS		5.200		NS		1.660		NS		3.830	
	29-May-08	NS		NS		NS		33.500		NS		NS		NS		0.980		1.050		10.500		NS	
	27-Jun-08	1.290		NS		NS		NS		75.200		NS		NS		NS		NS		8.850		8.890	
	31-Jul-08	NS		1.010		NS		NS		NS		NS		NS		NS		0.959		NS		5.100	
	28-Aug-08	NS		NS		2.530		NS		NS		NS		18.000		NS		1.790		15.600		NS	
	30-Sep-08	NS		NS		NS		53.800		NS		NS		NS		2.800	U	NS		14.500		10.400	
	27-Oct-08	2.800	U	NS		NS		NS		44.400		NS		NS		NS		5.100		NS		2.800	U
	25-Nov-08	NS		10.000		NS		NS		NS		12.200		NS		NS		2.800	U	34.000		NS	
	18-Dec-08	NS		NS		2.800	U	NS		NS		NS		4.900		NS		NS		4.800		7.100	
	21-Jan-09	NS		NS		NS		26.900		NS		NS		NS		7.200		2.800	U	NS		10.400	
	25-Feb-09	2.800	U	NS		NS		NS		14.800		NS		NS		NS		2.800	U	7.100		NS	
	26-Mar-09	NS		1.430		NS		NS		NS		2.810	U	NS		NS		NS		19.600		10.300	
	29-Apr-09	NS		NS		1.450		NS		NS		NS		4.230		NS		1.270		NS		3.170	
	22-Jul-09	1.460		NS		1.460		19.900		NS		3.420		NS		NS		1.280		6.460		NS	
	9-Oct-09	NS		0.158		NS		NS		20.000		NS		11.000		58.600	U	1.65		NS		9.320	
	15-Jan-10	1.390		NS		2.100		16.600		NS		1.780		NS		NS		1.340		15.400		NS	
	21-Apr-10	NS		0.466		NS		NS		10.100		NS		4.830		1.400	U	4.950		NS		5.470	
	16-Jul-10	2.600		NS		1.840		16.400		NS		2.120	U	NS		NS		2.230		19.800		NS	
	15-Oct-10	NS		9.630		NS		NS		72.200		NS		13.700		5.650		9.850		NS		10.000	
	26-Jan-11	2.810	U	1.160		NS		13.800		NS		1.400	U	NS		1.400	U	1.710		26.000		NS	
	28-Feb-11	NS		NS		2.810	U	NS		NS		NS		NS		NS		NS		NS		NS	
Acrylonitrile	8-Feb-08	1.080	U	NS		NS		NS		1.080	U	NS		NS		NS		1.080	U	1.080	U	NS	
	27-Mar-08	NS		1.080	U	NS		NS		NS		NS		NS		NS		NS		1.080	U	1.080	U
	25-Apr-08	NS		NS		1.080	U	NS		NS		NS		1.080	U	NS		1.080	U	NS		1.080	U
	29-May-08	NS		NS		NS		1.080	U	NS		NS		NS		1.080	U	1.080	U	1.080	U	NS	
	27-Jun-08	1.690	U	NS		NS		NS		1.080	U	NS		NS		NS		NS		1.080	U	1.080	U
	31-Jul-08	NS		1.080	U	NS		NS		NS		NS		NS		NS		1.080	U	NS		1.080	U
	28-Aug-08	NS		NS		1.080	U	NS		NS		NS		NS		1.080	U	NS		1.080	U	NS	
	30-Sep-08	NS		NS		NS		2.200	U	NS		NS		NS		NS		2.200	U	NS		2.200	U
	27-Oct-08	2.200	U	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		2.200	U
	25-Nov-08	NS		2.200	U	NS		NS		NS		2.200	U	NS		NS		2.200	U	2.200	U	NS	
	18-Dec-08	NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		NS		2.200	U	2.200	U
	21-Jan-09	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	2.200	U	NS		2.200	U
	25-Feb-09	2.200	U	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	2.200	U	NS	
	26-Mar-09	NS		5.420	U	NS		NS		NS		10.800	U	NS		NS		NS		1.080	U	1.080	U
	29-Apr-09	NS		NS		1.080	U	NS		NS		NS	U	1.080	U	NS		1.080	U	NS		1.080	U
	22-Jul-09	5.420	U	NS		5.420	U	10.800	U	NS		5.420	U	NS		NS		1.080	U	1.080	U	NS	
	9-Oct-09	NS		0.051	U	NS		NS		1.080	U	NS		1.080	U	226.000	U	1.080	U	NS		1.080	U
	15-Jan-10	1.080	U	NS		1.080	U	1.080	U	NS		1.080	U	NS		NS		1.080	U	1.080	U	NS	
	21-Apr-10	NS		1.080	U	NS		NS		5.420	U	NS		5.420	U	5.420	U	1.080	U	NS		1.080	U
	16-Jul-10	1.080	U	NS		1.080	U	1.080	U	NS		8.190	U	NS		NS		1.080	U	1.080	U	NS	
	15-Oct-10	NS		0.108	U	NS		NS		1.080	U	NS		1.080	U	1.080	U	1.080	U	NS		1.080	U
	26-Jan-11	10.800	U	1.080	U	NS		1.080	U	NS		5.420	U	NS		5.420	U	5.420	U	5.420	U	NS	
	28-Feb-11	NS		NS		10.800	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,1-Dichloroethene	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	0.080	U	NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS		0.079	U	0.079	U
	31-Jul-08	NS		0.079	U	NS		NS		NS		NS		NS		NS		0.079	U	NS		0.079	U
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	0.079	U	NS	
	30-Sep-08	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U	2.000	U
	27-Oct-08	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U
	25-Nov-08	NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U	NS	
	18-Dec-08	NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS		2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS	
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		0.079	U	0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	22-Jul-09	0.396	U	NS		16.200	U	0.792	U	NS		0.396	U	NS		NS		0.079	U	0.079	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	16.500	U	0.079	U	NS		0.079	U
	15-Jan-10	0.137	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		0.079	U	0.079	U	NS	
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		0.396	U	0.396	U	0.079	U	NS		0.079	U
	16-Jul-10	0.079	U	NS		0.206		0.079	U	NS		0.598	U	NS		NS		0.079	U	0.079	U	NS	
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS		0.079	U
	26-Jan-11	0.792	U	0.079	U	NS		0.079	U	NS		0.396	U	NS		3.960	U	0.396	U	0.396	U	NS	
	28-Feb-11	NS		NS		0.792	U	NS		NS		NS		NS		NS		NS		NS		NS	

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Methylene chloride	8-Feb-08	2.340		NS		NS		NS		1.740	U	NS		NS		NS		1.740	U	1.740	U	NS	
	27-Mar-08	NS		1.740	U	NS		NS		NS		2.870		NS		NS		NS		2.100		1.740	U
	25-Apr-08	NS		NS		1.740	U	NS		NS		NS		1.740	U	NS		1.740	U	NS		1.740	U
	29-May-08	NS		NS		NS		1.740	U	NS		NS		NS		1.740	U	2.910		1.740	U	NS	
	27-Jun-08	4.330	U	NS		NS		NS		3.690		NS		NS		NS		NS		2.780	U	2.780	U
	31-Jul-08	NS		1.740	U	NS		NS		NS		NS		NS		NS		1.740	U	NS		1.740	U
	28-Aug-08	NS		NS		1.740	U	NS		NS		NS		1.740	U	NS		1.740	U	1.740	U	NS	
	30-Sep-08	NS		NS		NS		1.700	U	NS		NS		NS		1.700	U	NS		1.700	U	1.700	U
	27-Oct-08	1.700	U	NS		NS		NS		1.700	U	NS		NS		NS		1.700	U	NS		1.700	U
	25-Nov-08	NS		1.700	U	NS		NS		NS		1.700	U	NS		NS		1.700	U	NS		1.700	U
	18-Dec-08	NS		NS		1.700	U	NS		NS		NS		1.700	U	NS		1.700	U	1.700	U	NS	
	21-Jan-09	NS		NS		NS		1.700	U	NS		NS		NS		NS		1.700	U	1.700	U	1.700	U
	25-Feb-09	1.700	U	NS		NS		NS		1.700	U	NS		NS		1.700	U	1.700	U	NS		1.700	UI
	26-Mar-09	NS		16.100		NS		NS		NS		17.400	U	NS		NS		1.700	U	1.700	U	NS	
	29-Apr-09	NS		NS		1.740	U	NS		NS		NS		1.740	U	NS		NS		1.740	U	1.800	
	22-Jul-09	86.800	U	NS		8.680	U	17.400	U	NS		8.680	U	NS		NS		1.740	U	NS		1.740	U
	9-Oct-09	NS		1.740	U	NS		NS		1.740	U	NS		1.740	U	362.000	U	1.740	U	1.740	U	NS	
	15-Jan-10	1.740	U	NS		1.740	U	1.740	U	NS		1.740	U	NS		NS		1.740	U	NS		1.740	U
	21-Apr-10	NS		1.740	U	NS		NS		0.868	U	NS		8.680	U	8.680	U	1.740	U	1.740	U	NS	
	16-Jul-10	24.000		NS		21.500		19.500		NS		26.200	U	NS		NS		27.1		26.500		1.740	
	15-Oct-10	NS		3.470	U	NS		NS		3.470	U	NS		3.470	U	3.470	U	3.470	U	NS		NS	
	26-Jan-11	34.700	U	3.470	U	NS		3.470	U	NS		0.404	U	NS		17.400	U	17.400	U	17.400	U	3.470	U
	28-Feb-11	NS		NS		34.700	U	NS		NS		NS		NS		NS		NS		NS		NS	
trans-1,2-Dichloroethene*	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		NS		0.080	U	0.080	U	NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS		0.079	U	0.079	U
	31-Jul-08	NS		0.079	U	NS		NS		NS		NS		NS		NS		0.079	U	NS		0.079	U
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		NS		0.079	U	NS		0.079	U	NS	
	30-Sep-08	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	NS		2.000	U
	27-Oct-08	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	2.000	U
	25-Nov-08	NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	NS		2.000	U
	18-Dec-08	NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U	2.000	U	NS	
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U	2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		0.079	U	0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	22-Jul-09	0.396	U	NS		0.396	U	0.792	U	NS		0.396	U	NS		NS		0.079	U	0.079	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		0.079		NS		0.079	U	16.500	U	0.079	U	NS		0.079	U
	15-Jan-10	0.079		NS		0.079		0.079		NS		0.079	U	NS		NS		0.079	U	0.079	U	NS	
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		3.960	U	0.396	U	0.079	U	NS		0.079	U
	16-Jul-10	0.079	U	NS		0.079	U	0.079	U	NS		0.598	U	NS		NS		0.079	U	0.079	U	NS	
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS		0.079	U
	26-Jan-11	0.792	U	0.079	U	NS		0.079	U	NS		0.360	U	NS		0.396	U	0.396	U	0.396	U	NS	
	28-Feb-11	NS		NS		0.792	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,1-Dichloroethane	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	
	27-Mar-08	NS		0.081	U	NS		NS		NS		0.081	U	NS		NS		NS		0.081	U	0.081	U
	25-Apr-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	NS		0.081	U
	29-May-08	NS		NS		NS		0.080	U	NS		NS		NS		NS		0.080	U	0.080	U	NS	
	27-Jun-08	0.126	U	NS		NS		NS		0.081	U	NS		NS		NS		NS		0.081	U	0.081	U
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U
	28-Aug-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	0.081	U	NS	
	27-Oct-08	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U	2.000	U
	27-Oct-08	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U
	25-Nov-08	NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U	NS	
	18-Dec-08	NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	2.000	U	2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		NS		2.000	U	2.000	U
	26-Mar-09	NS		0.404	U	NS		NS		NS		0.809	U	NS		NS		NS		0.081	U	0.081	U
	29-Apr-09	NS		NS		0.190		NS		NS		NS		0.081	U	NS		0.121		NS		0.081	U
	22-Jul-09	0.404	U	NS		16.500	U	0.801	U	NS		0.404	U	NS		NS		0.081	U	0.081	U	NS	
	9-Oct-09	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	16.900	U	0.081	U	NS		0.081	U
	15-Jan-10	0.137	U	NS		0.081	U	0.801	U	NS		0.081	U	NS		NS		0.081	U	0.081	U	NS	
	21-Apr-10	NS		0.081	U	NS		NS		0.404	U	NS		0.404	U	0.404	U	0.081	U	NS		0.081	U
	16-Jul-10	0.081	U	NS		2.480		0.081	U	NS		0.611	U	NS		NS		0.081	U	0.081	U	NS	
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	0.081	U	,081	U	NS		0.081	U
	26-Jan-11	0.809	U	0.081	U	NS		0.081	U	NS		7.370	U	NS		0.404	U	0.404	U	0.404	U	NS	
	28-Feb-11	NS		NS		0.809	U	NS		NS		NS		NS		NS		NS		NS		NS	
Methyl tert butyl ether (MTBE)	8-Feb-08	0.070	U	NS		NS		NS		0.070	U	NS		NS		NS		0.140		0.070	U	NS	
	27-Mar-08	NS		0.072	U	NS		NS		NS		0.072	U	NS		NS		NS		0.165		0.126	
	25-Apr-08	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	NS		0.079	
	29-May-08	NS		NS		NS		0.070	U	NS		NS		NS		0.070	U	0.070	U	0.070	U	NS	
	27-Jun-08	0.436		NS		NS		NS		0.072	U	NS		NS		NS		NS		0.072	U	0.072	U
	31-Jul-08	NS		0.072	U	NS		NS		NS		NS		NS		NS		0.072	U	NS		0.072	U
	28-Aug-08	NS		NS		0.106		NS		NS		NS		0.072	U	NS		0.172	U	0.140		NS	
	30-Sep-08	NS		NS		NS		1.800	U	NS		NS		NS		1.800	U	NS		1.800	U	1.800	U
	27-Oct-08	1.800	U	NS		NS		NS		2.600		NS		NS		NS		3.200		NS		5.800	
	25-Nov-08	NS		1.800	U	NS		NS		NS		1.800	U	NS		NS		1.800	U	1.800	U	NS	
	18-Dec-08	NS		NS		1.800	U	NS		NS		NS		1.800	U	NS		NS		1.800	U	1.800	U
	21-Jan-09	NS		NS		NS		1.800	U	NS		NS		NS		1.800	U	1.600	U	NS		1.800	U
	25-Feb-09	5.800		NS		NS		NS		1.800	U	NS		NS		NS		1.800	U	1.800	U	NS	
	26-Mar-09	NS		0.360	U	NS		NS		NS		0.720	U	NS		NS		NS		0.072	U	0.072	U
	29-Apr-09	NS		NS		0.072	U	NS		NS		NS		0.072	U	NS		0.072	U	NS		0.072	U
	22-Jul-09	0.360	U	NS		0.360	U	0.720	U	NS		0.360	U	NS		NS		0.072	U	0.072	U	NS	
	9-Oct-09	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	15.000	U	0.086		NS		0.083	
	15-Jan-10	0.079		NS		0.072	U	0.072	U	NS		0.072	U	NS		NS		0.072	U	0.072	U	NS	
	21-Apr-10	NS		0.072	U	NS		NS		0.360	U	NS		3.600	U	0.360	U	0.072	U	NS		0.072	U
	16-Jul-10	0.072	U	NS		0.072	U	0.072	U	NS		0.544	U	NS		NS		0.072	U	0.072	U	NS	
	15-Oct-10	NS		0.072	U	NS		NS		0.072	U	NS		0.072	U	0.072	U	0.072	U	NS		0.072	U
	26-Jan-11	0.720	U	0.072	U	NS		0.072	U	NS		0.396	U	NS		0.360	U	0.360	U	0.360	U	NS	
	28-Feb-11	NS		NS		0.720	U	NS		NS		NS		NS		NS		NS		NS		NS	

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
2-Butanone	8-Feb-08	126.000		NS		NS		NS		1.470	U	NS		NS		NS		3.080		10.600		NS	
	27-Mar-08	NS		226.000		NS		NS		NS		NS		NS		NS		NS		11.900		3.900	
	25-Apr-08	NS		NS		477.000		NS		NS		NS		1680.000		NS		2.240		NS		1.470	U
	29-May-08	NS		NS		NS		527.000		NS		NS		NS		591.000		2.270		3.040		NS	
	27-Jun-08	1080.000		NS		NS		NS		596.000		NS		NS		NS		NS		6.920		3.640	
	31-Jul-08	NS		1350.000		NS		NS		NS				NS		NS		12.000		NS		2.560	
	28-Aug-08	NS		NS		8380.000		NS		NS		NS		102.000		NS		5.290		9.180		NS	
	30-Sep-08	NS		NS		NS		101.000		NS		NS		NS		194.000		NS		2.000		1.500	U
	27-Oct-08	53.500		NS		NS		NS		30.500		NS		NS		NS		2.400		NS		5.700	
	25-Nov-08	NS		802.000		NS		NS		NS		259.000		NS		NS		1.800		2.400		NS	
	18-Dec-08	NS		NS		5630.000		NS		NS		NS		8.300		NS		NS		2.600		3.300	
	21-Jan-09	NS		NS		NS		209.000		NS		NS		NS		24.000		1.500	U	NS		1.500	U
	25-Feb-09	30.000		NS		NS		NS		198.000		NS		NS		NS		1.500	U	1.500	U	NS	
	26-Mar-09	NS		526.000		NS		NS		NS		29.100		NS		NS		NS		2.660		3.020	
	29-Apr-09	NS		NS		12400.000		NS		NS		NS		38.100		NS		1.470	U	NS		3.060	
	22-Jul-09	433.000		NS		433.000		410.000		NS		151.000		NS		NS		21.600		2.800		NS	
	9-Oct-09	NS		289.000		NS		NS		1.470	U	NS		19.100		22700.000		2.750		NS		12.600	
	15-Jan-10	29.800		NS		826.000		64.100		NS		38.400		NS		NS		2.640		1.600		NS	
	21-Apr-10	NS		6.440		NS		NS		7.370	U	NS		34.600		1840.000		16.800		NS		14.500	
	16-Jul-10	5320.000		NS		21000.000		441.000		NS		10400.000		NS		NS		1.540		2.800		NS	
	15-Oct-10	NS		117.000		NS		NS		44.900		NS		2.850		18.200		1.470	U	NS		1.920	
	26-Jan-11	940.000		22.300		NS		16.500		NS		7.370	U	NS		50.400		7.370	U	7.370	U	NS	
	28-Feb-11	NS		NS		625.000		NS		NS		NS		NS		NS		NS		NS		NS	
cis-1,2-Dichloroethene*	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	
	27-Mar-08	NS		0.079	U	NS		NS		NS		0.079	U	NS		NS		NS		0.079	U	0.079	U
	25-Apr-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	29-May-08	NS		NS		NS		0.080		NS		NS		NS		0.080	U	0.080	U	0.080	U	NS	
	27-Jun-08	0.123	U	NS		NS		NS		0.079	U	NS		NS		NS		NS		0.079	U	0.079	U
	31-Jul-08	NS		0.079	U	NS		NS		NS		NS		NS		NS		0.079	U	NS		0.079	U
	28-Aug-08	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	0.079	U	NS	
	30-Sep-08	NS		NS		NS		5.900	U	NS		NS		NS		5.900	U	NS		5.900	U	5.900	U
	27-Oct-08	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U
	25-Nov-08	NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U	NS	
	18-Dec-08	NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS		2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS	
	26-Mar-09	NS		0.396	U	NS		NS		NS		0.792	U	NS		NS		NS		0.079	U	0.079	U
	29-Apr-09	NS		NS		0.079	U	NS		NS		NS		0.079	U	NS		0.079	U	NS		0.079	U
	22-Jul-09	0.396	U	NS		595.000		0.792	U	NS		0.396	U	NS		NS		0.079	U	0.079	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	16.500	U	0.079	U	NS		0.079	U
	15-Jan-10	0.079	U	NS		0.079	U	0.079	U	NS		0.079	U	NS		NS		0.079	U	0.079	U	NS	
	21-Apr-10	NS		0.079	U	NS		NS		0.396	U	NS		0.396	U	0.396	U	0.079	U	NS		0.079	U
	16-Jul-10	0.079	U	NS		0.079	U	0.079	U	NS		0.598	U	NS		NS		0.079	U	0.079	U	NS	
	15-Oct-10	NS		0.079	U	NS		NS		0.079	U	NS		0.079	U	0.079	U	0.079	U	NS		0.079	U
	26-Jan-11	0.792	U	0.079	U	NS		0.079	U	NS		0.396	U	NS		0.396	U	0.396	U	0.396	U	NS	
	28-Feb-11	NS		NS		0.792	U	NS		NS		NS		NS		NS		NS		NS		NS	
Chloroform	8-Feb-08	0.100	U	NS		NS		NS		NS	U	NS		NS		NS		0.120		0.120		NS	
	27-Mar-08	NS		0.098	U	NS		NS		NS		0.125		NS		NS		NS		0.453		0.847	
	25-Apr-08	NS		NS		0.231		NS		NS		NS		0.203		NS		0.134		NS		0.265	
	29-May-08	NS		NS		NS		0.140		NS		NS		NS		0.100	U	0.110		0.140		NS	
	27-Jun-08	0.263		NS		NS		NS		0.623		NS		NS		NS		NS		0.305		0.395	
	31-Jul-08	NS		0.145		NS		NS		NS		NS		NS		NS		0.130		NS		0.124	
	28-Aug-08	NS		NS		0.098	U	NS		NS		NS		1.200		NS		0.331		0.386		NS	
	30-Sep-08	NS		NS		NS		0.490	U	NS		NS		NS		0.490	U	NS		0.490	U	0.490	U
	27-Oct-08	0.490	U	NS		NS		NS		0.490	U	NS		NS		NS		0.490	U	NS		0.490	U
	25-Nov-08	NS		0.240	U	NS		NS		NS		0.240	U	NS		NS		0.240	U	0.240	U	NS	
	18-Dec-08	NS		NS		0.240	U	NS		NS		NS		0.240	U	NS		NS		0.240	U	0.240	U
	21-Jan-09	NS		NS		NS		0.240	U	NS		NS		NS		0.240	U	0.240	U	NS		0.240	U
	25-Feb-09	0.240	U	NS		NS		NS		0.240	U	NS		NS		NS		0.240	U	0.240	U	NS	
	26-Mar-09	NS		0.488	U	NS		NS		NS		1.290		NS		NS		NS		0.265		0.200	
	29-Apr-09	NS		NS		0.098	U	NS		NS		NS		0.136		NS		0.098	U	NS		1.340	
	22-Jul-09	0.488	U	NS		19.900	U	0.976	U	NS		0.488	U	NS		NS		0.429		0.220		NS	
	9-Oct-09	NS		0.205		NS		NS		0.263		NS		0.268		20.400	U	0.317		NS		0.312	
	15-Jan-10	0.176		NS		7.220		0.146		NS		0.190		NS		NS		0.098	U	0.185		NS	
	21-Apr-10	NS		0.098	U	NS		NS		0.488	U	NS		0.488	U	0.488	U	0.220		NS		0.200	
	16-Jul-10	0.361		NS		0.098	U	0.215		NS		0.737	U	NS		NS		0.205	U	0.346		NS	
	15-Oct-10	NS		0.171		NS		NS		0.366		NS		0.654		0.117		0.102		NS		0.166	
	26-Jan-11	2.780		0.122		NS		0.161		NS		0.488	U	NS		0.488	U	0.488	U	0.488	U	NS	
	28-Feb-11	NS		NS		0.976	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,2-Dichloroethane	8-Feb-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.090		0.080	U	NS	
	27-Mar-08	NS		0.081	U	NS		NS		NS		0.143		NS		NS		NS		0.081	U	0.100	
	25-Apr-08	NS		NS		0.081	U	NS		NS		NS		0.081	U	NS		0.081	U	NS		0.089	
	29-May-08	NS		NS		NS		0.090		NS		NS		NS		0.110		0.080	U	0.080	U	NS	
	27-Jun-08	0.126	U	NS		NS		NS		0.153		NS		NS		NS		NS		0.110		0.081	U
	31-Jul-08	NS		0.081	U	NS		NS		NS		NS		NS		NS		0.081	U	NS		0.081	U
	28-Aug-08	NS		NS		0.171		NS		NS		NS		NS		NS		0.081	U	0.081	U	NS	
	27-Oct-08	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		0.080	U	0.080	U
	27-Oct-08	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		0.095	
	25-Nov-08	NS		0.080	U	NS		NS		NS		0.080	U	NS		NS		0.080	U	0.080	U	NS	
	18-Dec-08	NS		NS		0.080	U	NS		NS		NS		0.080	U	NS		NS		0.080	U	0.080	U
	21-Jan-09	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS		0.080	U
	25-Feb-09	0.080	U	NS		NS		NS		0.080	U	NS		NS		NS		0.080	U	0.080	U	NS	
	26-Mar-09	NS		0.404	U	NS		NS		NS		0.809	U	NS		NS		NS		0.098		0.133	
	29-Apr-09	NS		NS		0.319		NS		NS		NS		0.081	U	NS		0.081	U	NS		0.089	
	22-Jul-09	0.404	U	NS		16.500	U	0.809	U	NS		0.404	U	NS		NS		0.081	U	0.081	U	NS	
	9-Oct-09	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	16.900	U	0.081	U	NS		0.081	U
	15-Jan-10	0.081	U	NS		0.081	U	0.081	U	NS		0.081	U	NS		NS		0.081	U	0.081	U	NS	
	21-Apr-10	NS		0.081	U	NS		NS		0.404	U	NS		0.404	U	0.404	U	0.081	U	NS		0.081	U
	16-Jul-10	0.101		NS		1.440		0.081	U	NS		0.611	U	NS		NS		0.081	U	0.081	U	NS	
	15-Oct-10	NS		0.081	U	NS		NS		0.081	U	NS		0.081	U	0.081	U	0.081	U	NS		0.081	U
	26-Jan-11	0.809	U	0.081	U	NS		0.081	U	NS		0.404	U	NS		0.404	U	0.404	U	0.404	U	NS	
	28-Feb-11	NS		NS		0.809	U	NS		NS		NS		NS		NS		NS		NS		NS	

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
1,1,1-Trichloroethane*	8-Feb-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.560		NS	
	27-Mar-08	NS		0.109	U	NS		NS		NS		0.109	U	NS		NS		NS		0.522		0.266	
	25-Apr-08	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.119	
	29-May-08	NS		NS		NS		0.120		NS		NS		NS		0.110	U	0.110	U	0.540		NS	
	27-Jun-08	0.170	U	NS		NS		NS		0.458		NS		NS		NS		NS		0.377		0.138	
	31-Jul-08	NS		0.109	U	NS		NS		NS		NS		NS		NS		0.109	U	NS		0.109	U
	28-Aug-08	NS		NS		0.109	U	NS		NS		NS		0.153		NS		0.109	U	0.492		NS	
	30-Sep-08	NS		NS		NS		2.700	U	NS		NS		NS		2.700	U	NS		2.700	U	2.700	U
	27-Oct-08	3.400	U	NS		NS		NS		3.400	U	NS		NS		NS		3.400	U	NS		3.400	U
	25-Nov-08	NS		2.700	U	NS		NS		NS		2.700	U	NS		NS		2.700	U	2.700	U	NS	
	18-Dec-08	NS		NS		2.700	U	NS		NS		NS		2.700	U	NS		2.700	U	2.700	U	2.700	U
	21-Jan-09	NS		NS		NS		2.700	U	NS		NS		NS		2.700	U	NS		2.700	U	2.700	U
	25-Feb-09	2.700	U	NS		NS		NS		2.700	U	NS		NS		NS		2.700	U	2.700	U	NS	
	26-Mar-09	NS		1.590		NS		NS		NS		1.090	U	NS		NS		2.700	U	2.700	U	NS	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.147		NS		NS		0.682		0.213	
	22-Jul-09	0.545	U	NS		22.200	U	1.090	U	NS		0.545	U	NS		NS		0.109	U	0.278		NS	
	9-Oct-09	NS		0.109	U	NS		NS		0.158		NS		0.191		22.800	U	0.109	U	NS		0.136	
	15-Jan-10	0.109	U	NS		0.109	U	1.090	U	NS		0.109	U	NS		NS		0.109	U	0.692		NS	
	21-Apr-10	NS		0.109	U	NS		NS		0.545	U	NS		0.545	U	0.545	U	0.109		NS		1.090	U
	16-Jul-10	0.109	U	NS		0.109	U	0.109	U	NS		0.824	U	NS		NS		0.109	U	0.562		NS	
	15-Oct-10	NS		0.272		NS		NS		0.349		NS		0.109	U	0.109	U	0.109	U	NS		0.109	U
	26-Jan-11	1.090	U	0.109	U	NS		0.109	U	NS		0.545	U	NS		0.545	U	0.545	U	0.845		NS	
	28-Feb-11	NS		NS		1.090	U	NS		NS		NS		NS		NS		NS		NS		NS	
Benzene	8-Feb-08	0.920		NS		NS		NS		0.980		NS		NS		NS		0.540		0.850		NS	
	27-Mar-08	NS		0.540		NS		NS		NS		0.462		NS		NS		NS		0.788		0.635	
	25-Apr-08	NS		NS		0.584		NS		NS		NS		0.745		NS		0.428		NS		0.536	
	29-May-08	NS		NS		NS		0.730		NS		NS		NS		1.030		1.120		0.610		NS	
	27-Jun-08	0.626		NS		NS		NS		0.468		NS		NS		NS		NS		0.499		0.399	
	31-Jul-08	NS		0.418		NS		NS		NS		NS		NS		NS		0.356		NS		0.265	
	28-Aug-08	NS		NS		1.020		NS		NS		NS		0.537		NS		0.815		0.692		NS	
	30-Sep-08	NS		NS		NS		1.600	U	NS		NS		NS		1.600	U	NS		1.600	U	1.600	U
	27-Oct-08	1.600	U	NS		NS		NS		1.600	U	NS		NS		NS		1.600	U	NS		1.600	U
	25-Nov-08	NS		1.600	U	NS		NS		NS		1.600	U	NS		NS		1.600	U	1.600	U	NS	
	18-Dec-08	NS		NS		1.600	U	NS		NS		NS		1.600	U	NS		NS		1.600	U	1.600	U
	21-Jan-09	NS		NS		NS		1.600	U	NS		NS		NS		1.600	U	1.600	U	NS		1.600	U
	25-Feb-09	1.600	U	NS		NS		NS		1.600	U	NS		NS		NS		1.600	U	1.600	U	NS	
	26-Mar-09	NS		2.100		NS		NS		NS		2.230	U	NS		NS		NS		0.945		1.480	
	29-Apr-09	NS		NS		0.603		NS		NS		NS		0.246		NS		0.223	U	NS		0.367	
	22-Jul-09	1.120	U	NS		56.000		2.230	U	NS		1.450		NS		NS		4.270		0.629		NS	
	9-Oct-09	NS		1.150		NS		NS		0.974		NS		0.431		46.600	U	0.619		NS		0.824	
	15-Jan-10	0.763		NS		0.887		0.980		NS		1.260		NS		NS		0.964		0.964		NS	
	21-Apr-10	NS		0.373		NS		NS		0.160	U	NS		1.600	U	1.610		0.635		NS		1.260	
	16-Jul-10	0.332		NS		1.530		0.689		NS		2.410	U	NS		NS		0.319	U	0.319	U	NS	
	15-Oct-10	NS		0.319	U	NS		NS		0.319	U	NS	U	0.319	U	0.319	U	0.319	U	NS		0.319	U
	26-Jan-11	3.190	U	2.490		NS		2.460		NS		1.600	U	NS		1.850		1.800		1.900		NS	
	28-Feb-11	NS		NS		3.190	U	NS		NS		NS		NS		NS		NS		NS		NS	
Carbon tetrachloride	8-Feb-08	0.440		NS		NS		NS		0.460		NS		NS		NS		0.530		0.450		NS	
	27-Mar-08	NS		0.539		NS		NS		NS		0.477		NS		NS		NS		0.576		0.574	
	25-Apr-08	NS		NS		0.417		NS		NS		NS		0.448		NS		0.459		NS		0.448	
	29-May-08	NS		NS		NS		0.460		NS		NS		NS		0.460		0.470		0.460		NS	
	27-Jun-08	0.478		NS		NS		NS		0.506		NS		NS		NS		NS		0.533		0.553	
	31-Jul-08	NS		0.579		NS		NS		NS		NS		NS		NS		0.548		NS		0.495	
	28-Aug-08	NS		NS		0.515		NS		NS		NS		NS		0.569		NS		0.567		0.563	
	30-Sep-08	NS		NS		NS		0.511		NS		NS		NS		NS		0.577		NS		0.451	
	27-Oct-08	0.480		NS		NS		NS		0.360		NS		NS		NS		NS		0.410		NS	
	25-Nov-08	NS		0.500		NS		NS		NS		0.420		NS		NS		0.300		0.440		NS	
	18-Dec-08	NS		NS		0.230		NS		NS		NS		0.280		NS		NS		0.480		0.460	
	21-Jan-09	NS		NS		NS		0.350		NS		NS		NS		NS		0.470		0.270		NS	
	25-Feb-09	0.390		NS		NS		NS		0.360		NS		NS		NS		NS		0.370		0.360	
	26-Mar-09	NS		0.629	U	NS		NS		NS		1.260	U	NS		NS		NS		0.601		0.565	
	29-Apr-09	NS		NS		0.484		NS		NS		NS		0.528		NS		0.522		NS		0.654	
	22-Jul-09	0.629	U	NS		25.600	U	1.260	U	NS		0.629	U	NS		NS		0.515		0.503		NS	
	9-Oct-09	NS		0.691		NS		NS		0.666		NS		0.465		26.200	U	0.710		NS		0.691	
	15-Jan-10	0.427		NS		0.647		0.509		NS		0.541		NS		NS		0.541		0.528		NS	
	21-Apr-10	NS		0.126		NS		NS		0.629	U	NS		0.629	U	0.629	U	0.610		NS		0.503	
	16-Jul-10	0.459		NS		0.478		0.515		NS		0.950	U	NS		NS		0.559		0.509		NS	
	15-Oct-10	NS		0.509		NS		NS		0.434		NS		0.383		0.402		0.421		NS		0.440	
	26-Jan-11	1.260	U	0.415		NS		0.415		NS		0.629	U	NS		0.629	U	0.629	U	0.629	U	NS	
	28-Feb-11	NS		NS		1.260	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,2-Dichloropropane	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS	
	27-Mar-08	NS		0.092	U	NS		NS		NS		0.092	U	NS		NS		NS		0.092	U	0.092	U
	25-Apr-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		NS		0.090	U	0.090	U	NS	
	27-Jun-08	0.144	U	NS		NS		NS		0.092	U	NS		NS		NS		NS		0.092	U	0.092	U
	31-Jul-08	NS		0.092	U	NS		NS		NS		NS		NS		NS		0.092	U	NS		0.092	U
	28-Aug-08	NS		NS		0.092	U	NS		NS		NS		NS		0.092	U	NS		0.092	U	NS	
	30-Sep-08	NS		NS		NS		0.090	U	NS		NS		NS		NS		0.090	U	NS		0.090	U
	27-Oct-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		NS		0.090	U	NS	
	25-Nov-08	NS		0.090	U	NS		NS		NS		0.090	U	NS		NS		0.090	U	0.090	U	NS	
	18-Dec-08	NS		NS		0.090	U	NS		NS		NS		0.090	U	NS		NS		0.090	U	0.090	U
	21-Jan-09	NS		NS		NS		0.090	U	NS		NS		NS		NS		0.090	U	NS		0.090	U
	25-Feb-09	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS	
	26-Mar-09	NS		0.462	U	NS		NS		NS		0.924	U	NS		NS		NS		0.092	U	0.092	U
	29-Apr-09	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U
	22-Jul-09	0.462	U	NS		18.800	U	0.924	U	NS		0.462	U	NS		NS		0.092	U	0.092	U	NS	
	9-Oct-09	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	19.300	U	0.092	U	NS		0.092	U
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		0.092	U	NS		NS		0.092	U	0.092	U	NS	
	21-Apr-10	NS		0.092	U	NS		NS		0.462	U	NS		0.462	U	0.462	U	0.092	U	NS		0.092	U
	16-Jul-10	0.092	U	NS		0.092	U	0.092	U	NS		0.698	U	NS		NS		0.092	U	0.092	U	NS	
	15-Oct-10	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	0.092	U	0.092	U	NS		0.092	U
	26-Jan-11	0.924	U	0.092	U	NS		0.092	U	NS		0.462	U	NS		0.462	U	0.462	U	0.462	U	NS	
	28-Feb-11	NS		NS		0.924	U	NS		NS		NS		NS		NS		NS		NS		NS	

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Bromodichloromethane	8-Feb-08	0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	NS	
	27-Mar-08	NS		0.134	U	NS		NS		NS		0.134	U	NS		NS		NS		0.134	U	0.134	U
	25-Apr-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	NS		0.134	U
	29-May-08	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	0.130	U	NS	
	27-Jun-08	0.209	U	NS		NS		NS		0.134	U	NS		NS		NS		NS		0.134	U	0.134	U
	31-Jul-08	NS		0.134	U	NS		NS		NS		NS		NS		NS		0.134	U	NS		0.134	U
	28-Aug-08	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	0.134	U	NS	
	30-Sep-08	NS		NS		NS		0.520		NS		NS		NS		0.130	U	NS		0.230		0.130	U
	27-Oct-08	0.130	U	NS		NS		NS		1.070		NS		NS		NS		0.130	U	NS		0.130	U
	25-Nov-08	NS		0.130	U	NS		NS		NS		0.130	U	NS		NS		0.130	U	3.000		NS	
	18-Dec-08	NS		NS		0.130	U	NS		NS		NS		0.130	U	NS		NS		0.130	U	0.130	U
	21-Jan-09	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	NS		0.130	U
	25-Feb-09	0.130	U	NS		NS		NS		0.130	U	NS		NS		NS		0.130	U	0.130	U	NS	
	26-Mar-09	NS		0.670	U	NS		NS		NS		1.340	U	NS		NS		NS		0.134	U	0.134	U
	29-Apr-09	NS		NS		0.134	U	NS		NS		NS		0.134	U	NS		0.134	U	NS		0.134	U
	22-Jul-09	0.670	U	NS		27.300	U	1.340	U	NS		0.670	U	NS		NS		0.134	U	0.134	U	NS	
	9-Oct-09	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	28.000	U	0.134	U	NS		0.134	U
	15-Jan-10	0.134	U	NS		0.134	U	0.134	U	NS		0.134	U	NS		NS		0.134	U	0.134	U	NS	
	21-Apr-10	NS		0.134	U	NS		NS		0.670	U	NS		0.670	U	0.670	U	0.134	U	NS		0.134	U
	16-Jul-10	0.134	U	NS		0.134	U	0.134	U	NS		1.010	U	NS		NS		0.134		0.134	U	NS	
	15-Oct-10	NS		0.134	U	NS		NS		0.134	U	NS		0.134	U	0.134	U	0.134	U	NS		0.134	U
	26-Jan-11	1.340	U	0.134	U	NS		0.134	U	NS		0.670	U	NS		0.670	U	0.670	U	0.670	U	NS	
	28-Feb-11	NS		NS		1.340	U	NS		NS		NS		NS		NS		NS		NS		NS	
Trichloroethene*	8-Feb-08	0.120		NS		NS		NS		0.110	U	NS		NS		NS		0.200		19.600		NS	
	27-Mar-08	NS		0.107	U	NS		NS		NS		0.152		NS		NS		NS		13.400		5.340	
	25-Apr-08	NS		NS		0.199		NS		NS		NS		1.350		NS		0.668		NS		3.390	
	29-May-08	NS		NS		NS		26.500		NS		NS		NS		0.150		0.370		13.600		NS	
	27-Jun-08	0.408		NS		NS		NS		258.000		NS		NS		NS		NS		13.600		6.560	
	31-Jul-08	NS		1.240		NS		NS		NS		NS		NS		NS		0.126		NS		3.260	
	28-Aug-08	NS		NS		0.558		NS		NS		NS		3.560		NS		0.432		18.400		NS	
	30-Sep-08	NS		NS		NS		56.200		NS		NS		NS		0.800	U	NS		22.700		3.950	
	27-Oct-08	0.800	U	NS		NS		NS		117.000		NS		NS		NS		2.990		NS		0.800	U
	25-Nov-08	NS		2.920		NS		NS		NS		1.890		NS		NS		0.540	U	39.800		NS	
	18-Dec-08	NS		NS		0.540	U	NS		NS		NS		0.540	U	NS		NS		4.560		2.460	
	21-Jan-09	NS		NS		NS		19.600		NS		NS		NS		0.540	U	0.540	U	NS		4.990	
	25-Feb-09	0.440		NS		NS		NS		99.500		NS		NS		NS		0.560		10.700		NS	
	26-Mar-09	NS		9.200		NS		NS		NS		3.880		NS		NS		NS		25.100		5.490	
	29-Apr-09	NS		NS		0.220		NS		NS		NS		1.200		NS		0.392		NS		2.960	
	22-Jul-09	0.537	U	NS		0.537	U	12.700		NS		3.190		NS		NS		0.354		10.300		NS	
	9-Oct-09	NS		0.091	U	NS		NS		26.000		NS		1.240		22.400	U	0.182		NS		3.260	
	15-Jan-10	0.591		NS		0.242		17.700		NS		0.172		NS		NS		0.107	U	18.500		NS	
	21-Apr-10	NS		0.107	U	NS		NS		34.000		NS		0.940		0.537	U	0.891		NS		2.010	
	16-Jul-10	0.333		NS		0.333		8.140		NS		0.611	U	NS		NS		0.107		27.800		NS	
	15-Oct-10	NS		2.280		NS		NS		129.000		NS		1.920		0.177		0.317		NS		1.300	
	26-Jan-11	1.070	U	1.630		NS		9.940		NS		0.537	U	NS		0.617		1.230		27.100		NS	
	28-Feb-11	NS		NS		1.070	U	NS		NS		NS		NS		NS		NS		NS		NS	
cis-1,3-Dichloropropene	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS	
	27-Mar-08	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U	0.091	U
	25-Apr-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	NS		0.091	U
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	0.090	U	NS	
	27-Jun-08	0.141	U	NS		NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	0.091	U
	31-Jul-08	NS		0.091	U	NS		NS		NS		NS		NS		NS		0.091	U	NS		0.091	U
	28-Aug-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	0.091	U	NS	
	27-Oct-08	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U	0.180	U
	27-Oct-08	0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U
	25-Nov-08	NS		0.180	U	NS		NS		NS		0.180	U	NS		NS		0.180	U	0.180	U	NS	
	18-Dec-08	NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		NS		0.180	U	0.180	U
	21-Jan-09	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	0.180	U	NS		0.180	U
	25-Feb-09	0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	0.180	U	NS	
	26-Mar-09	NS		0.453	U	NS		NS		NS		0.907	U	NS		NS		NS		0.091	U	0.910	U
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	NS		0.091	U
	22-Jul-09	0.453	U	NS		18.500	U	0.907	U	NS		0.453	U	NS		NS		0.091	U	0.091	U	NS	
	9-Oct-09	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	16.900	U	0.091	U	NS		0.091	U
	15-Jan-10	0.091	U	NS		0.091	U	0.091	U	NS		0.091	U	NS		NS		0.091	U	0.091	U	NS	
	21-Apr-10	NS		0.091	U	NS		NS		0.453	U	NS		0.453	U	0.453	U	0.091	U	NS		0.091	U
	16-Jul-10	0.091	U	NS		0.091	U	0.091	U	NS		0.685	U	NS		NS		0.091	U	0.091	U	NS	
	15-Oct-10	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	NS		0.091	U	NS		0.091	U
	26-Jan-11	0.907	U	0.091	U	NS		0.091	U	NS		0.453	U	NS		0.453	U	0.453	U	0.453	U	NS	
	28-Feb-11	NS		NS		0.907	U	NS		NS		NS		NS		NS		NS		NS		NS	
4-Methyl-2-pentanone	8-Feb-08	2.050	U	NS		NS		NS		2.050	U	NS		NS		NS		2.050	U	8.700		NS	
	27-Mar-08	NS		2.050	U	NS		NS		NS		NS		NS		NS		NS		15.200		2.050	U
	25-Apr-08	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		2.050	U	NS		2.050	U
	29-May-08	NS		NS		NS		2.050	U	NS		NS		NS		2.050	U	2.050	U	2.050	U	NS	
	27-Jun-08	3.190	U	NS		NS		NS		2.050	U	NS		NS		NS		NS		2.050	U	2.050	U
	31-Jul-08	NS		2.050	U	NS		NS		NS		NS		NS		NS		2.050	U	NS		2.050	U
	28-Aug-08	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		2.050	U	2.050	U	NS	
	30-Sep-08	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U	2.000	U
	27-Oct-08	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		2.000	U
	25-Nov-08	NS		3.500		NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U	NS	
	18-Dec-08	NS		NS		2.000	U	NS		NS		NS		2.000	U	NS		NS		2.000	U	2.000	U
	21-Jan-09	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS		2.000	U
	25-Feb-09	2.000	U	NS		NS		NS		2.000	U	NS		NS		NS		2.000	U	2.000	U	NS	
	26-Mar-09	NS		10.200	U	NS		NS		NS		20.500	U	NS		NS		NS		2.050	U	2.050	U
	29-Apr-09	NS		NS		2.050	U	NS		NS		NS		2.050	U	NS		2.050	U	NS		2.050	U
	22-Jul-09	10.200	U	NS		10.200	U	20.500	U	NS		10.200	U	NS		NS		2.050	U	2.050	U	NS	
	9-Oct-09	NS		2.050	U	NS		NS		2.050	U	NS		2.050	U	427.000	U	2.050	U	NS		2.050	U
	15-Jan-10	2.050	U	NS		2.050	U	2.050	U	NS		2.050	U	NS		NS		2.050	U	2.050	U	NS	
	21-Apr-10	NS		2.050	U	NS		NS		10.200	U	NS		10.200	U	10.200	U	2.050	U	NS		2.050	U
	16-Jul-10	2.050	U	NS		2.050	U	2.050	U	NS		15.400	U	NS		NS		2.050	U	2.050	U	NS	
	15-Oct-10	NS		2.050	U	NS		NS		2.050	U	NS		2.050	U	2.050	U	2.050	U	NS		2.050	U
	26-Jan-11	20.500	U	2.050	U	NS		2.050	U	NS		10.200	U	NS		10.200	U	10.200	U	10.200	U	NS	
	28-Feb-11	NS		NS		20.500	U	NS		NS		NS		NS		NS		NS		NS		NS	

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
trans-1,3-Dichloropropene	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS	
	27-Mar-08	NS		0.091	U	NS		NS		NS		0.091	U	NS		NS		NS		0.091	U	0.091	U
	25-Apr-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	NS		0.091	U
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090		0.090	U	0.090	U	NS	
	27-Jun-08	0.141	U	NS		NS		NS		0.091	U	NS		NS		NS		NS		0.091	U	0.091	U
	31-Jul-08	NS		0.091	U	NS		NS		NS		NS		NS		NS		0.091	U	NS		0.091	U
	28-Aug-08	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	0.091	U	NS	
	30-Sep-08	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U	0.180	U
	27-Oct-08	0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U
	25-Nov-08	NS		0.180	U	NS		NS		NS		0.180	U	NS		NS		0.180	U	NS		0.180	U
	18-Dec-08	NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U	0.180	U	NS	
	21-Jan-09	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U	0.180	U
	25-Feb-09	0.180	U	NS		NS		NS		0.180	U	NS		NS		NS		0.180	U	NS		0.180	U
	26-Mar-09	NS		0.453	U	NS		NS		NS		0.907	U	NS		NS		NS		0.091	U	NS	
	29-Apr-09	NS		NS		0.091	U	NS		NS		NS		0.091	U	NS		0.091	U	NS		0.091	U
	22-Jul-09	0.453	U	NS		0.453	U	0.907	U	NS		0.453	U	NS		NS		0.091	U	0.091	U	NS	
	9-Oct-09	NS		0.079	U	NS		NS		0.091	U	NS		0.091	U	18.900	U	0.091	U	NS		0.091	U
	15-Jan-10	0.091		NS		0.091	U	0.091		NS		0.091	U	NS		NS		0.091	U	0.091	U	NS	
	21-Apr-10	NS		0.091	U	NS		NS		0.453	U	NS		0.453	U	0.453	U	0.091	U	NS		0.091	U
	16-Jul-10	0.091	U	NS		0.091	U	0.091	U	NS		0.685	U	NS		NS		0.091	U	0.091	U	NS	
	15-Oct-10	NS		0.091	U	NS		NS		0.091	U	NS		0.091	U	0.091	U	0.091	U	NS		0.091	U
	26-Jan-11	0.907	U	0.091	U	NS		0.091	U	NS		0.453	U	NS		0.453	U	0.453	U	0.453	U	NS	
	28-Feb-11	NS		NS		0.907	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,1,2-Trichloroethane	8-Feb-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.110	U	NS	
	27-Mar-08	NS		0.109	U	NS		NS		NS		0.109	U	NS		NS		NS		0.109	U	0.109	U
	25-Apr-08	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.109	U
	29-May-08	NS		NS		NS		0.110	U	NS		NS		NS		NS		0.110	U	0.110	U	NS	
	27-Jun-08	0.170	U	NS		NS		NS		0.109	U	NS		NS		NS		NS		0.109	U	0.109	U
	31-Jul-08	NS		0.109	U	NS		NS		NS		NS		NS		NS		0.109	U	NS		0.109	U
	28-Aug-08	NS		NS		0.109	U	NS		NS		NS		NS		0.109	U	0.109	U	NS		0.109	U
	30-Sep-08	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		0.110	U	NS	
	27-Oct-08	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		0.110	U
	25-Nov-08	NS		0.110	U	NS		NS		NS		0.110	U	NS		NS		0.110	U	NS		0.110	U
	18-Dec-08	NS		NS		0.110	U	NS		NS		NS		0.110	U	NS		NS		0.110	U	NS	
	21-Jan-09	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.110	U	NS		0.110	U
	25-Feb-09	0.110	U	NS		NS		NS		0.110	U	NS		NS		NS		0.110	U	0.110	U	NS	
	26-Mar-09	NS		0.545	U	NS		NS		NS		1.090	U	NS		NS		NS		0.109	U	0.109	U
	29-Apr-09	NS		NS		0.109	U	NS		NS		NS		0.109	U	NS		0.109	U	NS		0.109	U
	22-Jul-09	0.545	U	NS		22.200	U	1.090	U	NS		0.545	U	NS		NS		0.109	U	0.109	U	NS	
	9-Oct-09	NS		0.109	U	NS		NS		0.109	U	NS		0.109	U	22.800	U	0.109	U	NS		0.109	U
	15-Jan-10	0.109	U	NS		0.109	U	1.090	U	NS		0.081	U	NS		NS		0.109	U	0.109	U	NS	
	21-Apr-10	NS		0.109	U	NS		NS		0.545	U	NS		0.545	U	0.545	U	0.109	U	NS		0.109	U
	16-Jul-10	0.109	U	NS		0.109	U	0.109	U	NS		0.824	U	NS		NS		1.090	U	0.109	U	NS	
	15-Oct-10	NS		0.109		NS		NS		0.109	U	NS		0.109	U	0.109	U	0.109	U	NS		0.109	U
	26-Jan-11	1.090	U	0.109	U	NS		0.109	U	NS		0.545	U	NS		0.547	U	0.545	U	0.545	U	NS	
	28-Feb-11	NS		NS		1.090	U	NS		NS		NS		NS		NS		NS		NS		NS	
Toluene	8-Feb-08	1.630		NS		NS		NS		1.800		NS		NS		NS		2.720		455.000		NS	
	27-Mar-08	NS		2.240		NS		NS		NS		1.450		NS		NS		NS		11.300		16.100	
	25-Apr-08	NS		NS		1.390		NS		NS		NS		1.340		NS		11.200		NS		21.800	
	29-May-08	NS		NS		NS		7.740		NS		NS		NS		11.600		21.000		13.000		NS	
	27-Jun-08	14.700		NS		NS		NS		2.330		NS		NS		NS		NS		10.600		22.200	
	31-Jul-08	NS		4.150		NS		NS		NS		NS		NS		NS		10.200		NS		6.110	
	28-Aug-08	NS		NS		6.480		NS		NS		NS		NS		3.440		NS		10.000		11.200	
	30-Sep-08	NS		NS		NS		1.900	U	NS		NS		NS		6.100		NS		7.500		8.600	
	27-Oct-08	56.300		NS		NS		NS		3.200		NS		NS		NS		6.600		NS		8.200	
	25-Nov-08	NS		7.800		NS		NS		NS		7.800		NS		NS		29.900		18.600		NS	
	18-Dec-08	NS		2.000		NS		NS		NS		NS		1.900	U	NS		NS		4.800		4.900	
	21-Jan-09	NS		NS		NS		1.900	U	NS		NS		NS		NS		1.900	U	NS		1.900	U
	25-Feb-09	7.000		NS		NS		NS		1.900	U	NS		NS		NS		1.900	U	13.800		NS	
	26-Mar-09	NS		3.530		NS		NS		NS		3.920		NS		NS		NS		7.230		9.750	
	29-Apr-09	NS		NS		1.990		NS		NS		NS		0.661		NS		0.149		NS		4.56	
	22-Jul-09	38.700		NS		38.700		2.220		NS		4.710		NS		NS		80.100		5.320		NS	
	9-Oct-09	NS		3.530		NS		NS		3.060		NS		1.070		23.600		3.120		NS		3.670	
	15-Jan-10	12.800		NS		4.170		4.330		NS		5.810		NS		NS		4.810		4.850		NS	
	21-Apr-10	NS		0.900		NS		NS		2.970		NS		3.750		5.200		2.840		NS		5.080	
	16-Jul-10	22.200		NS		17.900		5.980		NS		5.540		NS		NS		5.770		5.850		NS	
	15-Oct-10	NS		1.670		NS		NS		2.100		NS		1.720		3.370		2.230		NS		3.260	
	26-Jan-11	6.060		6.820		NS		6.820		NS		4.740		NS		5.950		12.100		11.900		NS	
	28-Feb-11	NS		NS		1.880		NS		NS		NS		NS		NS		NS		NS		NS	
Dibromochloromethane	8-Feb-08	0.100	U	NS		NS		NS		0.100	U	NS		NS		NS		0.100	U	0.100	U	NS	
	27-Mar-08	NS		0.096	U	NS		NS		NS		0.096	U	NS		NS		NS		0.096	U	0.096	U
	25-Apr-08	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		0.096	U	NS		0.096	U
	29-May-08	NS		NS		NS		0.100	U	NS		NS		NS		NS		0.100	U	0.100	U	NS	
	27-Jun-08	0.150	U	NS		NS		NS		0.096	U	NS		NS		NS		NS		0.096	U	0.096	U
	31-Jul-08	NS		0.096	U	NS		NS		NS		NS		NS		NS		0.096	U	NS		0.096	U
	28-Aug-08	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		0.096	U	0.096	U	NS	
	30-Sep-08	NS		NS		NS		4.200	U	NS		NS		NS		4.200	U	NS		4.200	U	4.200	U
	27-Oct-08	4.200	U	NS		NS		NS		4.200	U	NS		NS		NS		4.200	U	NS		4.200	U
	25-Nov-08	NS		4.200	U	NS		NS		NS		4.200	U	NS		NS		4.200	U	4.200	U	NS	
	18-Dec-08	NS		NS		4.200	U	NS		NS		NS		4.200	U	NS		NS		4.200	U	4.200	U
	21-Jan-09	NS		NS		NS		4.200	U	NS		NS		NS		4.200	U	4.200	U	NS		4.200	U
	25-Feb-09	4.200	U	NS		NS		NS		4.200	U	NS		NS		NS		4.200	U	4.200	U	NS	
	26-Mar-09	NS		0.480	U	NS		NS		NS		0.960		NS		NS		NS		0.096	U	0.096	U
	29-Apr-09	NS		NS		0.096	U	NS		NS		NS		0.096	U	NS		0.096	U	NS		0.096	U
	22-Jul-09	0.480	U	NS		19.600	U	0.960	U	NS		0.480	U	NS		NS		0.096	U	0.096	U	NS	
	9-Oct-09	NS		0.096	U	NS		NS		NS	U	NS		0.096	U	20.000	U	0.096	U	NS		0.096	U
	15-Jan-10	0.096	U	NS		0.096	U	0.096	U	NS		0.096	U	NS		NS		0.096	U	0.096	U	NS	
	21-Apr-10	NS		0.096	U	NS		NS		0.480	U	NS		0.480	U	0.480	U	0.096	U	NS		0.096	U
	16-Jul-10	0.170	U	NS		0.170	U	0.170	U	NS		1.280	U	NS		NS		0.170	U	0.170	U	NS	
	15-Oct-10	NS		0.170	U	NS		NS		0.170	U	NS		0.170	U	0.170	U	0.170	U	NS		0.170	U
	26-Jan-11	1.700	U	0.170	U	NS		0.170	U	NS		0.851	U	NS		0.851	U	0.851	U	0.851	U	NS	
	28-Feb-11	NS		NS		1.700	U	NS		NS		NS		NS		NS		NS		NS		NS	

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15		MP-1		MP-2		MP-3		MP-4		MP-5		MP-6		MP-7		MP-8		IMP-1		IMP-2		IMP-3	
	Sample Date		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual		Qual
1,2-Dibromoethane	8-Feb-08	0.150	U	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	0.150	U	NS	
	27-Mar-08	NS		0.154	U	NS		NS		NS		0.154	U	NS		NS		NS		0.154	U	0.154	U
	25-Apr-08	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	NS		0.154	U
	29-May-08	NS		NS		NS		0.150	U	NS		NS		NS		0.150		0.150	U	0.150	U	NS	
	27-Jun-08	0.239	U	NS		NS		NS		0.154	U	NS		NS		NS		NS		0.154	U	0.154	U
	31-Jul-08	NS		0.154	U	NS		NS		NS		NS		NS		NS		0.154	U	NS		0.154	U
	28-Aug-08	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	0.154	U	NS	
	30-Sep-08	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	NS		0.150	U	0.150	U
	27-Oct-08	0.150	U	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	NS		0.150	U
	25-Nov-08	NS		0.150	U	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	NS	
	18-Dec-08	NS		NS		0.150	U	NS		NS		NS		0.150	U	NS		NS		0.150	U	0.150	U
	21-Jan-09	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	0.150	U	NS		0.150	U
	25-Feb-09	0.150	U	NS		NS		NS		0.150	U	NS		NS		NS		0.150	U	0.150	U	NS	
	26-Mar-09	NS		0.768	U	NS		NS		NS		1.540	U	NS		NS		NS		0.154	U	0.154	U
	29-Apr-09	NS		NS		0.154	U	NS		NS		NS		0.154	U	NS		0.154	U	NS		0.154	U
	22-Jul-09	0.768	U	NS		31.300	U	1.540	U	NS		0.768	U	NS		NS		0.154	U	0.154	U	NS	
	9-Oct-09	NS		0.154	U	NS		NS		0.154	U	NS		0.154	U	32.000	U	0.154	U	NS		0.154	U
	15-Jan-10	0.154	U	NS		0.154	U	0.154	U	NS		0.154	U	NS		NS		0.154	U	0.154	U	NS	
	21-Apr-10	NS		0.154	U	NS		NS		0.768	U	NS		0.768	U	0.768	U	0.154	U	NS		0.154	U
	16-Jul-10	0.154	U	NS		0.154	U	0.154	U	NS		1.160	U	NS		NS		0.154	U	0.154	U	NS	
	15-Oct-10	NS		0.154	U	NS		NS		0.154	U	NS		0.154	U8	0.154	U	0.154	U	NS		0.154	U
	26-Jan-11	1.540	U	0.154	U	NS		0.154	U	NS		0.768	U	NS		0.768	U	0.768	U	0.768	U	NS	
	28-Feb-11	NS		NS		1.540	U	NS		NS		NS		NS		NS		NS		NS		NS	
Tetrachloroethene*	8-Feb-08	0.350		NS		NS		NS		0.140	U	NS		NS		NS		0.530		5.050		NS	
	27-Mar-08	NS		0.888		NS		NS		NS		0.875		NS		NS		NS		6.990		5.250	
	25-Apr-08	NS		NS		0.322		NS		NS		NS		0.990		NS		0.830		NS		0.867	
	29-May-08	NS		NS		NS		1.360		NS		NS		NS		0.240		0.300		3.210		NS	
	27-Jun-08	1.320		NS		NS		NS		29.600		NS		NS		NS		NS		5.080		1.800	
	31-Jul-08	NS		0.667		NS		NS		NS		NS		NS		NS		0.618		NS		0.572	
	28-Aug-08	NS		NS		1.550		NS		NS		NS		1.520		NS		1.370		6.260		NS	
	30-Sep-08	NS		NS		NS		3.400		NS		NS		NS		3.400	U	NS		6.100		3.400	U
	27-Oct-08	4.200	U	NS		NS		NS		10.000		NS		NS		NS		4.200	U	NS		4.200	U
	25-Nov-08	NS		21.300		NS		NS		NS		4.600		NS		NS		3.400	U	8.900		NS	
	18-Dec-08	NS		NS		3.400	U	NS		NS		NS		3.400	U	NS		NS		3.400	U	3.400	U
	21-Jan-09	NS		NS		NS		3.400	U	NS		NS		NS		3.400	U	3.400	U	NS		3.400	U
	25-Feb-09	3.400	U	NS		NS		NS		8.300		NS		NS		NS		3.400	U	3.700		NS	
	26-Mar-09	NS		1.280		NS		NS		NS		1.360	U	NS		NS		NS		7.110		2.080	
	29-Apr-09	NS		NS		0.271		NS		NS		NS		0.305		NS		0.237		NS		0.691	
	22-Jul-09	1.630		NS		1.630		2.100		NS		3.080		NS		NS		11.800		3.250		NS	
	9-Oct-09	NS		0.556		NS		NS		2.070		NS		0.678		28.300	U	1.170		NS		1.460	
	15-Jan-10	1.310		NS		0.644		1.350		NS		0.691		NS		NS		0.447		0.501		NS	
	21-Apr-10	NS		7.200		NS		NS		31.400		NS		35.500		36.800		62.100		NS		36.100	
	16-Jul-10	12.400		NS		12.700		10.900		NS		10.000		NS		NS		15.400		19.200		NS	
	15-Oct-10	NS		21.900		NS		NS		37.600		NS		21.300		21.800		22.100		NS		31.600	
	26-Jan-11	1.360	U	0.691		NS		1.270		NS		0.678	U	NS		0.813		2.130		8.300		NS	
	28-Feb-11	NS		NS		1.360	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,1,1,2-Tetrachloroethane	8-Feb-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U	NS	
	27-Mar-08	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		NS		0.137	U	0.137	U
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U
	29-May-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U	0.140	U	NS	
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	0.137	U
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		0.137	U	NS		0.137	U
	28-Aug-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	0.137	U	NS	
	30-Sep-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	0.140	U
	27-Oct-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		NS		NS		0.140	U
	25-Nov-08	NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		0.140	U	NS		NS	
	18-Dec-08	NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		0.140	U	0.140	U
	21-Jan-09	NS		NS		NS		0.190		NS		NS		NS		0.140	U	0.140	U	NS		0.140	U
	25-Feb-09	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U	NS	
	26-Mar-09	NS		0.686	U	NS		NS		NS		1.370	U	NS		NS		NS		0.137	U	0.137	U
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U
	22-Jul-09	0.686	U	NS		28.000	U	1.370	U	NS		0.686	U	NS		NS		0.137	U	0.137	U	NS	
	9-Oct-09	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	28.600	U	0.137	U	NS		0.137	U
	15-Jan-10	0.109	U	NS		0.137	U	1.370	U	NS		0.137	U	NS		NS		0.137	U	0.137	U	NS	
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	0.686	U	0.137	U	NS		0.137	U
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS		1.040	U	NS		NS		0.137	U	0.137	U	NS	
	15-Oct-10	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	0.137	U	0.137	U	NS		0.137	U
	26-Jan-11	1.370	U	0.137	U	NS		0.137	U	NS		0.686	U	NS		0.686	U	0.686	U	0.666	U	NS	
	28-Feb-11	NS		NS		1.370	U	NS		NS		NS		NS		NS		NS		NS		NS	
Chlorobenzene	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	NS	
	27-Mar-08	NS		0.052	U	NS		NS		NS		0.092	U	NS		NS		NS		0.092	U	0.092	U
	25-Apr-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U
	29-May-08	NS		NS		NS		0.090	U	NS		NS		NS		0.090	U	0.090	U	0.090	U	NS	
	27-Jun-08	0.207		NS		NS		NS		0.092	U	NS		NS		NS		NS		0.092	U	0.092	U
	31-Jul-08	NS		0.092	U	NS		NS		NS		NS		NS		NS		0.092	U	NS		0.092	U
	28-Aug-08	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	0.092	U	NS	
	30-Sep-08	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	NS		2.300	U	2.300	U
	27-Oct-08	2.300	U	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	NS		2.300	U
	25-Nov-08	NS		2.300	U	NS		NS		NS		2.300	U	NS		NS		2.300	U	2.300	U	NS	
	18-Dec-08	NS		NS		2.300	U	NS		NS		NS		2.300	U	NS		NS		2.300	U	2.300	U
	21-Jan-09	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	2.300	U	NS		2.300	U
	25-Feb-09	2.300	U	NS		NS		NS		2.300	U	NS		NS		NS		2.300	U	2.300	U	NS	
	26-Mar-09	NS		0.460	U	NS		NS		NS		0.920	U	NS		NS		NS		0.092	U	0.092	U
	29-Apr-09	NS		NS		0.092	U	NS		NS		NS		0.092	U	NS		0.092	U	NS		0.092	U
	22-Jul-09	0.460	U	NS		18.800	U	0.920	U	NS		0.460	U	NS		NS		0.092	U	0.092	U	NS	
	9-Oct-09	NS		0.092	U	NS		NS		0.092	U	NS		0.092	U	19.200	U	0.092	U	NS		0.092	U
	15-Jan-10	0.092	U	NS		0.092	U	0.092	U	NS		0.092		NS		NS		0.092	U	0.092	U	NS	
	21-Apr-10	NS		0.092	U	NS		NS		0.460	U	NS		0.460	U	0.460	U	0.092	U	NS		0.092	U
	16-Jul-10	0.092	U	NS		0.092	U	0.212		NS		0.695	U	NS		NS		0.092	U	0.092	U	NS	
	15-Oct-10	NS		0.092	U	NS		NS		0.129		NS		0.106		0.101		0.092	U	NS		0.101	
	26-Jan-11	0.920	U	0.092	U	NS		0.092	U	NS		0.460	U	NS		0.460	U	0.460	U	0.460	U	NS	
	28-Feb-11	NS		NS		0.920	U	NS		NS		NS		NS		NS		NS		NS		NS	

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
Ethylbenzene	8-Feb-08	0.210		NS		NS		NS		0.230		NS		NS		NS		0.330		4.890		NS	
	27-Mar-08	NS		0.295		NS		NS	-	NS		0.157		NS		NS		NS		0.645		0.372	
	25-Apr-08	NS		NS		0.291		NS		NS		NS		0.320		NS				NS		0.565	
	29-May-08	NS		NS		NS		1.490		NS		NS		NS		2.200		2.820		1.010		NS	
	27-Jun-08	4.340		NS		NS		NS		0.472		NS		NS		NS		NS		0.606		0.699	
	31-Jul-08	NS	-			NS		NS		NS		NS		NS		NS		0.758		NS		0.577	
	28-Aug-08	NS		NS		0.830		NS		NS		NS		0.482		NS		0.711		0.666		NS	
	30-Sep-08	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		2.200	U	2.200	U
	27-Oct-08	18.400		NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		2.200	U
	25-Nov-08	NS		2.200	U	NS		NS		NS		2.200	U	NS		NS		2.300		2.200	U	NS	
	18-Dec-08	NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		NS		2.200	U	2.200	U
	21-Jan-09	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	2.200	U	NS		2.200	U
	25-Feb-09	10.800		NS		NS		NS		2.200	U	NS		NS		NS		NS		2.200	U	NS	
	26-Mar-09	NS		0.516		NS		NS		NS		0.868	U	NS		NS		0.304		NS		0.325	
	29-Apr-09	NS		NS		0.190		NS		NS		NS		0.191		NS		38.200		1.040		NS	
	22-Jul-09	11.700		NS		11.700		0.868	U	NS		1.150		NS		NS		18.100	U	0.542		NS	
	9-Oct-09	NS		0.564		NS		NS		0.560		NS		0.291		18.100	U	0.712		0.720		NS	
	15-Jan-10	6.950		NS		0.568		0.542		NS		0.659		NS		NS		2.120		NS		1.560	
	21-Apr-10	NS		0.304		NS		NS		1.340		NS		1.800		1.760		1.510		1.420		NS	
	16-Jul-10	8.230		NS		2.400		1.800		NS		1.440		NS		NS		1.070		NS		0.833	
	15-Oct-10	NS		0.534		NS		NS		0.625		NS		0.521		0.573		4.140		4.680		NS	
	26-Jan-11	1.260		1.620		NS		1.660		NS		1.260		NS		1.210		NS		NS		NS	
	28-Feb-11	NS		NS		0.868	U	NS		NS		NS		NS		NS							
p/m-Xylene	8-Feb-08	0.550		NS		NS		NS		0.630		NS		NS		NS		1.040		18.300		NS	
	27-Mar-08	NS		0.893		NS		NS		NS		0.389		NS		NS		NS		2.170		1.330	
	25-Apr-08	NS		NS		0.815		NS		NS		NS		0.970		NS		2.540		NS		1.810	
	29-May-08	NS		NS		NS		5.000		NS		NS		NS		7.580		10.100		3.340		NS	
	27-Jun-08	12.600		NS		NS		NS		1.500		NS		NS		NS		NS		1.910		2.330	
	31-Jul-08	NS		2.400		NS		NS		NS		NS		NS		NS		2.080		NS		1.550	
	28-Aug-08	NS		NS		2.330		NS		NS		NS		1.440		NS		2.130		1.940		NS	
	30-Sep-08	NS		NS		NS		4.300	U	NS		NS		NS		4.300	U	NS		4.300	U	4.300	U
	27-Oct-08	41.600		NS		NS		NS		4.300	U	NS		NS		NS		4.300	U	NS		4.300	U
	25-Nov-08	NS		4.700		NS		NS		NS		4.300	U	NS		4.300	U	8.500		8.900		NS	
	18-Dec-08	NS		NS		4.300	U	NS		NS		NS		4.300	U	NS		NS		4.300	U	4.300	U
	21-Jan-09	NS		NS		NS		4.300	U	NS		NS		NS		4.300	U	4.300	U	NS		4.300	U
	25-Feb-09	37.600		NS		NS		NS		4.300	U	NS		NS		NS		NS		8.000		9.300	
	26-Mar-09	NS		1.350		NS		NS		NS		1.740	U	NS		NS		NS		2.590		3.560	
	29-Apr-09	NS		NS		0.468		NS		NS		NS		0.516		NS		0.933		NS		1.060	
	22-Jul-09	25.600		NS		25.600		1.740	U	NS		3.880		NS		NS		165.000		3.520		NS	
	9-Oct-09	NS		1.620		NS		NS		1.630		NS		0.915		36.200	U	1.740		NS		1.700	
	15-Jan-10	18.400		NS		1.520		1.480		NS		1.760		NS		NS		2.350		2.650		NS	
	21-Apr-10	NS		0.703		NS		NS		3.280		NS		4.580		4.340		6.220		NS		4.770	
	16-Jul-10	21.800		NS		7.010		6.360		NS		4.620		NS		NS		4.950		4.910		NS	
	15-Oct-10	NS		1.810		NS		NS		2.180		NS		1.700		1.880		3.400		NS		2.880	
	26-Jan-11	3.080		4.240		NS		4.370		NS		3.060		NS		3.170		11.500		13.600		NS	
	28-Feb-11	NS		NS		1.740	U	NS		NS		NS		NS		NS		NS		NS		NS	
Bromoform	8-Feb-08	0.210	U	NS		NS		NS		0.210	U	NS		NS		NS		0.210	U	0.210	U	NS	
	27-Mar-08	NS		0.206	U	NS		NS		NS		0.206	U	NS		NS		NS		0.206	U	0.206	U
	25-Apr-08	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	NS		0.206	U
	29-May-08	NS		NS		NS		0.210	U	NS		NS		NS		0.210	U	0.210	U	0.210	U	NS	
	27-Jun-08	0.322	U	NS		NS		NS		0.206	U	NS		NS		NS		NS		0.206	U	0.206	U
	31-Jul-08	NS		0.206	U	NS		NS		NS		NS		NS		NS		0.206	U	NS		0.206	U
	28-Aug-08	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		0.206	U	0.206	U	NS	
	30-Sep-08	NS		NS		NS		0.410	U	NS		NS		NS		0.410	U	NS		0.410	U	0.410	U
	27-Oct-08	0.410	U	NS		NS		NS		0.410	U	NS		NS		NS		0.410	U	NS		0.410	U
	25-Nov-08	NS		0.140	U	NS		NS		NS		0.410	U	NS		NS		0.410	U	NS		NS	
	18-Dec-08	NS		NS		0.410	U	NS		NS		NS		0.410	U	NS		NS		0.410	U	0.410	U
	21-Jan-09	NS		NS		NS		0.410	U	NS		NS		NS		0.410	U	0.410	U	NS		0.410	U
	25-Feb-09	0.410	U	NS		NS		NS		0.140	U	NS		NS		NS		NS		0.410	U	NS	
	26-Mar-09	NS		1.030	U	NS		NS		NS		2.060	U	NS		NS		0.410	U	0.410	U	NS	
	29-Apr-09	NS		NS		0.206	U	NS		NS		NS		0.206	U	NS		NS		0.206	U	0.206	U
	22-Jul-09	1.030	U	NS		42.000	U	2.060	U	NS		1.030	U	NS		NS		0.206	U	NS		0.206	U
	9-Oct-09	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	NS		0.206	U	0.206	U	NS	
	15-Jan-10	0.206	U	NS		0.206	U	0.206	U	NS		0.206		NS		NS		43.100	U	NS		0.206	U
	21-Apr-10	NS		0.206	U	NS		NS		1.030	U	NS		1.030	U	1.030	U	0.206	U	0.206	U	NS	
	16-Jul-10	0.206	U	NS		0.206	U	0.206	U	NS		1.560	U	NS		NS		0.206	U	NS		0.206	U
	15-Oct-10	NS		0.206	U	NS		NS		0.206	U	NS		0.206	U	0.206	U	0.206	U	0.206	U	NS	
	26-Jan-11	2.060	U	0.206	U	NS		0.206	U	NS		1.030	U	NS		1.030	U	1.030	U	1.030	U	0.206	U
	28-Feb-11	NS		NS		2.060	U	NS		NS		NS		NS		NS		NS		NS		NS	
Styrene	8-Feb-08	0.090	U	NS		NS		NS		0.090	U	NS		NS		NS		0.300		3.150		NS	
	27-Mar-08	NS		0.100		NS		NS		NS		0.177		NS		NS		NS		0.206		0.404	
	25-Apr-08	NS		NS		0.244		NS		NS		NS		1.070		NS		0.559		NS		0.351	
	29-May-08	NS		NS		NS		0.170		NS		NS		NS		NS		0.360		0.270		NS	
	27-Jun-08	0.732		NS		NS		NS		0.354		NS		NS		NS		NS		0.598		0.590	
	31-Jul-08	NS		0.276		NS		NS		NS		NS		NS		NS		0.255		NS		0.170	
	28-Aug-08	NS		NS		1.220		NS		NS		NS		0.754		NS		1.020		1.010		NS	
	30-Sep-08	NS		NS		NS		2.100	U	NS		NS		NS		2.100	U	NS		2.100	U	2.100	U
	27-Oct-08	2.100	U	NS		NS		NS		2.100	U	NS		NS		NS		2.100	U	NS		2.100	U
	25-Nov-08	NS		2.100	U	NS		NS		NS		2.100	U	NS		NS		NS		2.100	U	NS	
	18-Dec-08	NS		NS		2.100	U	NS		NS		NS		2.100	U	NS		NS		2.100	U	2.100	U
	21-Jan-09	NS		NS		NS		2.100	U	NS		NS		NS		NS		2.100	U	NS		2.100	U
	25-Feb-09	2.100	U	NS		NS		NS		2.100	U	NS		NS		NS		NS		2.100	U	NS	
	26-Mar-09	NS		0.851	U	NS		NS		NS		1.700	U	NS		NS		NS		NS		0.361	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.085	U	NS		0.098		NS		0.243	
	22-Jul-09	0.426	U	NS		0.426	U	0.851	U	NS		0.426	U	NS		NS		0.600		0.149		NS	
	9-Oct-09	NS		0.085	U	NS		NS		0.098		NS		0.085	U	17.800	U	0.153		NS		0.204	
	15-Jan-10	0.106		NS		0.119		0.089		NS		0.098		NS		NS		0.128		0.221		NS	
	21-Apr-10	NS		0.085	U	NS		NS		0.426	U	NS		0.426	U	0.426	U	0.481		NS		0.579	
	16-Jul-10	0.570		NS		0.911		0.660		NS		0.643	U	NS		NS		0.340		0.864		NS	
	15-Oct-10	NS		0.698		NS		NS		1.120		NS		0.779		0.919		0.877		NS		1.520	
	26-Jan-11	0.851	U	0.162		NS		0.179		NS		0.428	U	NS		0.426	U	0.426		0.617		NS	
	28-Feb-11	NS		NS		0.851	U	NS		NS		NS		NS		NS		NS		NS		NS	

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
1,1,2,2-Tetrachloroethane	8-Feb-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U	NS	
	27-Mar-08	NS		0.137	U	NS		NS		NS		0.137	U	NS		NS		NS		0.137	U	0.137	U
	25-Apr-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U
	29-May-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U	0.140	U	NS	
	27-Jun-08	0.214	U	NS		NS		NS		0.137	U	NS		NS		NS		NS		0.137	U	0.137	U
	31-Jul-08	NS		0.137	U	NS		NS		NS		NS		NS		NS		0.137	U	NS		0.137	U
	28-Aug-08	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	0.137	U	NS	
	30-Sep-08	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U	0.140	U
	27-Oct-08	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		0.140	U
	25-Nov-08	NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		0.140	U	0.140	U	NS	
	18-Dec-08	NS		NS		0.140	U	NS		NS		NS		0.140	U	NS		NS		0.140	U	0.140	U
	21-Jan-09	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U	NS		0.140	U
	25-Feb-09	0.140	U	NS		NS		NS		0.140	U	NS		NS		NS		0.140	U	0.140	U	NS	
	26-Mar-09	NS		0.686	U	NS		NS		NS		1.370	U	NS		NS		NS		0.137	U	0.137	U
	29-Apr-09	NS		NS		0.137	U	NS		NS		NS		0.137	U	NS		0.137	U	NS		0.137	U
	22-Jul-09	0.686	U	NS		28.000	U	0.137	U	NS		0.686	U	NS		NS		0.137	U	0.137	U	NS	
	9-Oct-09	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	28.600	U	0.137	U	NS		0.137	U
	15-Jan-10	0.109	U	NS		0.137	U	0.137	U	NS		0.109	U	NS		NS		0.137	U	0.137	U	NS	
	21-Apr-10	NS		0.137	U	NS		NS		0.686	U	NS		0.686	U	0.686	U	0.137	U	NS		0.137	U
	16-Jul-10	0.137	U	NS		0.137	U	0.137	U	NS		1.040	U	NS		NS		0.137	U	0.137	U	NS	
	15-Oct-10	NS		0.137	U	NS		NS		0.137	U	NS		0.137	U	0.137	U	0.137	U	NS		0.137	U
	26-Jan-11	1.370	U	0.137	U	NS		0.137	U	NS		0.686	U	NS		0.686	U	0.686	U	0.686	U	NS	
	28-Feb-11	NS		NS		1.370	U	NS		NS		NS		NS		NS		NS		NS		NS	
o-Xylene	8-Feb-08	0.200		NS		NS		NS		0.230		NS		NS		NS		0.480		7.730		NS	
	27-Mar-08	NS		0.273		NS		NS		NS		0.142		NS		NS		NS		0.844		0.478	
	25-Apr-08	NS		NS		0.370		NS		NS		NS		0.406		NS		0.735		NS		0.620	
	29-May-08	NS		NS		NS		1.480		NS		NS		NS		2.260		2.840		1.020		NS	
	27-Jun-08	4.120		NS		NS		NS		0.550		NS		NS		NS		NS		0.672		0.794	
	31-Jul-08	NS		0.835		NS		NS		NS		NS		NS		NS		0.748		NS		0.564	
	28-Aug-08	NS		NS		0.804		NS		NS		NS		0.511		NS		0.797		0.725		NS	
	30-Sep-08	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		2.200	U	2.200	U
	27-Oct-08	9.800		NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		4.000	
	25-Nov-08	NS		2.200	U	NS		NS		NS		2.200	U	NS		NS		3.100	N	2.200	U	NS	
	18-Dec-08	NS		NS		2.200	U	NS		NS		NS		2.200	U	NS		NS		2.200	U	2.200	U
	21-Jan-09	NS		NS		NS		2.200	U	NS		NS		NS		2.200	U	2.200	U	NS		2.200	U
	25-Feb-09	8.900		NS		NS		NS		2.200	U	NS		NS		NS		2.200		3.200		NS	
	26-Mar-09	NS		0.486		NS		NS		NS		0.868	U	NS		NS		NS		0.922		1.280	
	29-Apr-09	NS		NS		0.174		NS		NS		NS		0.208		NS		0.369		NS		0.499	
	22-Jul-09	5.340		NS		5.340		0.858	U	NS		1.390		NS		NS		72.700		1.270		NS	
	9-Oct-09	NS		0.542		NS		NS		0.586		NS		0.343		16.100	U	0.629		NS		0.616	
	15-Jan-10	4.510		NS		0.490		0.490		NS		0.560		NS		NS		0.833		0.846		NS	
	21-Apr-10	NS		0.256		NS		NS		1.170		NS		1.560		1.410		1.240		NS		1.140	
	16-Jul-10	5.070		NS		2.840		2.630		NS		2.100		NS		NS		1.880		2.050		NS	
	15-Oct-10	NS		0.672		NS		NS		0.837		NS		0.659		0.729		1.220		NS		1.140	
	26-Jan-11	1.060		1.500		NS		1.540		NS		1.110		NS		1.150		4.320		5.160		NS	
	28-Feb-11	NS		NS		0.868	U	NS		NS		NS		NS		NS		NS		NS		NS	
Isopropylbenzene	8-Feb-08	2.460	U	NS		NS		NS		2.460	U	NS		NS		NS		2.460	U	2.460	U	NS	
	27-Mar-08	NS		2.460	U	NS		NS		NS		NS		NS		NS		NS		2.460	U	2.460	U
	25-Apr-08	NS		NS		2.460	U	NS		NS		NS		2.460	U	NS		2.460	U	NS		2.460	U
	29-May-08	NS		NS		NS		2.460	U	NS		NS		NS		2.460	U	2.460	U	2.460	U	NS	
	27-Jun-08	3.830	U	NS		NS		NS		2.460	U	NS		NS		NS		NS		2.460	U	2.460	U
	31-Jul-08	NS		2.460	U	NS		NS		NS		NS		NS		NS		2.460	U	NS		2.460	U
	28-Aug-08	NS		NS		2.460	U	NS		NS		NS		NS		2.460	U	NS		2.460	U	NS	
	30-Sep-08	NS		NS		NS		4.900	U	NS		NS		NS		NS		4.900	U	NS		4.900	U
	27-Oct-08	5.200		NS		NS		NS		4.900	U	NS		NS		NS		NS		4.900	U	4.900	U
	25-Nov-08	NS		4.900	U	NS		NS		NS		4.900	U	NS		NS		5.900	U	4.900	U	NS	
	18-Dec-08	NS		NS		4.900	U	NS		NS		NS		4.900	U	NS		NS		4.900	U	4.900	U
	21-Jan-09	NS		NS		NS		4.900	U	NS		NS		NS		4.900	U	4.900	U	NS		4.900	U
	25-Feb-09	4.900	U	NS		NS		NS		4.900	U	NS		NS		NS		4.900	U	4.900	U	NS	
	26-Mar-09	NS		12.300	U	NS		NS		NS		24.600	U	NS		NS		NS		2.460	U	2.460	U
	29-Apr-09	NS		NS		2.460	U	NS		NS		NS		2.460	U	NS		2.460	U	NS		2.460	U
	22-Jul-09	12.300	U	NS		12.300	U	24.600	U	NS		12.300	U	NS		NS		3.780		2.460	U	NS	
	9-Oct-09	NS		2.740	U	NS		NS		2.460	U	NS		2.460	U	513.000	U	2.460	U	NS		2.460	U
	15-Jan-10	2.460	U	NS		2.460	U	2.460	U	NS		2.460	U	NS		NS		2.460	U	2.460	U	NS	
	21-Apr-10	NS		2.460	U	NS		NS		12.300	U	NS		12.300	U	12.300	U	2.460	U	NS		2.460	U
	16-Jul-10	2.460	U	NS		2.660		2.460	U	NS		18.500	U	NS		NS		2.460	U	2.460	U	NS	
	15-Oct-10	NS		2.460	U	NS		NS		2.460	U	NS		2.460	U	2.460	U	2.460	U	NS		2.460	U
	26-Jan-11	24.600	U	2.460	U	NS		2.460	U	NS		12.300	U	NS		12.300	U	12.300	U	12.300	U	NS	
	28-Feb-11	NS		NS		24.600	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,3,5-Trimethylbenzene	8-Feb-08	0.100	U	NS		NS		NS		0.100	U	NS		NS		NS		0.470		0.660		NS	
	27-Mar-08	NS		0.140		NS		NS		NS		0.098	U	NS		NS		NS		0.349		0.275	
	25-Apr-08	NS		NS		1.600		NS		NS		NS		0.728		NS		0.192		NS		0.134	
	29-May-08	NS		NS		NS		0.180		NS		NS		NS		0.320		0.430		0.150		NS	
	27-Jun-08	5.160		NS		NS		NS		0.463		NS		NS		NS		NS		0.236		0.250	
	31-Jul-08	NS		0.713		NS		NS		NS		NS		NS		NS		0.276		NS		0.224	
	28-Aug-08	NS		NS		0.497		NS		NS		NS		0.215		NS		0.248		0.233		NS	
	30-Sep-08	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		2.500		2.500	U
	27-Oct-08	7.800		NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		2.500	U
	25-Nov-08	NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		2.500	U	2.500	U	NS	
	18-Dec-08	NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		NS	U	2.500	U
	21-Jan-09	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS	U	NS		2.500	U
	25-Feb-09	9.100		NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	2.500	U	NS	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		0.337		0.425	
	29-Apr-09	NS		NS		0.147		NS		NS		NS		0.128		NS		0.211		NS		0.241	
	22-Jul-09	3.000		NS		20.000	U	0.982	U	NS		0.491	U	NS		NS		22.700		0.275		NS	
	9-Oct-09	NS		0.216		NS		NS		0.241		NS		0.187		20.500	U	0.388		NS		0.226	
	15-Jan-10	2.150		NS		0.118		0.098	U	NS		0.108		NS		NS		0.290		0.334		NS	
	21-Apr-10	NS		0.098	U	NS		NS		0.491	U	NS		0.491	U	0.491	U	0.177		NS		0.206	
	16-Jul-10	2.760		NS		1.880		1.810		NS		1.670		NS		NS		1.080		1.250		NS	
	15-Oct-10	NS		0.418		NS		NS		0.383		NS		0.275		0.324		0.545		NS		0.540	
	26-Jan-11	0.982	U	0.437		NS		0.472		NS		0.491	U	NS		0.491	U	1.990		2.870		NS	
	28-Feb-11	NS		NS		0.982	U	NS		NS		NS		NS		NS		NS		NS		NS	

Date Modified: 3/28/2011

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
1,2,4-Trimethylbenzene	8-Feb-08	0.210		NS		NS		NS		0.230		NS		NS		NS		0.690		1.930		NS	
	27-Mar-08	NS		0.304		NS		NS		NS		0.152		NS		NS		NS		0.958		0.681	
	25-Apr-08	NS		NS		1.720		NS		NS		NS		0.644		NS		0.517		NS		0.338	
	29-May-08	NS		NS		NS		0.600		NS		NS		NS		1.000		1.260		0.480		NS	
	27-Jun-08	7.460		NS		NS		NS		1.150		NS		NS		NS		NS		0.638		0.736	
	31-Jul-08	NS		1.860		NS		NS		NS		NS		NS		NS		0.885		NS		0.685	
	28-Aug-08	NS		NS		0.838		NS		NS		NS		NS		NS		0.669		0.653		NS	
	30-Sep-08	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS				2.500	U
	27-Oct-08	11.400		NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		2.900	
	25-Nov-08	NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		2.500	U	6.400		NS	
	18-Dec-08	NS		NS		2.500	U	NS		NS		NS		2.500	U	NS		NS		5.200		2.500	U
	21-Jan-09	NS		NS		NS		2.500	U	NS		NS		NS		2.500	U	2.500	U	NS		2.500	U
	25-Feb-09	17.500		NS		NS		NS		4.000		NS		NS		NS		6.200		2.900		NS	
	26-Mar-09	NS		0.491	U	NS		NS		NS		0.982	U	NS		NS		NS		1.050		1.550	
	29-Apr-09	NS		NS		0.265		NS		NS		NS		0.378		NS		0.707		NS		0.801	
	22-Jul-09	3.490		NS		20.000	U	0.982	U	NS		0.737		NS		0.648		56.400		0.860		NS	
	9-Oct-09	NS		0.707		NS		NS		0.781		NS		0.648		20.500	U	1.360		NS		0.584	
	15-Jan-10	2.870		NS		0.354		0.290		NS		0.314		NS		NS		1.060		1.170		NS	
	21-Apr-10	NS		0.211		NS		NS		0.933		NS		1.420		1.130		0.653		NS		0.702	
	16-Jul-10	8.300		NS		8.230		8.090		NS		6.270		NS		NS		4.280		5.050		NS	
	15-Oct-10	NS		1.290		NS		NS		1.610		NS		1.100		1.380		1.860		NS		2.350	
	26-Jan-11	1.230		1.400		NS		1.600		NS		0.491	U	NS		1.350		6.930		10.400		NS	
	28-Feb-11	NS		NS		0.982	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,3-Dichlorobenzene	8-Feb-08	0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.120	U	NS	
	27-Mar-08	NS		0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.120	U
	25-Apr-08	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	NS		0.120	U
	29-May-08	NS		NS		NS		1.180		NS		NS		NS		3.470		0.620		0.220		NS	
	27-Jun-08	0.187	U	NS		NS		NS		0.257		NS		NS		NS		NS		0.120	U	0.120	U
	31-Jul-08	NS		0.822		NS		NS		NS		NS		NS		NS		0.136		NS		0.120	U
	28-Aug-08	NS		NS		0.120	U	NS		NS		NS		NS		0.120	U	0.120	U	0.120	U	NS	
	30-Sep-08	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		3.000	U	3.000	U
	27-Oct-08	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		3.000	U
	25-Nov-08	NS		3.000	U	NS		NS		NS		3.000	U	NS		NS		3.000	U	3.000	U	NS	
	18-Dec-08	NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		NS		3.000	U	3.000	U
	21-Jan-09	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	3.000	U	NS		3.000	U
	25-Feb-09	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		NS	
	26-Mar-09	NS		0.601	U	NS		NS		NS		1.200	U	NS		NS		NS		0.120	U	0.120	U
	29-Apr-09	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	NS		0.120	U
	22-Jul-09	0.601	U	NS		24.500	U	1.200	U	NS		0.601	U	NS		NS		0.120	U	0.360		NS	
	9-Oct-09	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	25.100	U	0.120	U	NS		0.120	U
	15-Jan-10	0.120		NS		0.120	U	0.120	U	NS		0.120	U	NS		NS		0.120	U	0.120	U	NS	
	21-Apr-10	NS		0.120	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	0.120	U	NS		0.120	U
	16-Jul-10	0.595		NS		0.685		1.990		NS		0.907	U	NS		NS		0.132		0.162		NS	
	15-Oct-10	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	0.120	U	0.120	U	NS		0.120	U
	26-Jan-11	1.200	U	0.120	U	NS		0.120	U	NS		0.601	U	NS		0.601	U	0.601	U	0.601	U	NS	
	28-Feb-11	NS		NS		1.200	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,4-Dichlorobenzene	8-Feb-08	1.560		NS		NS		NS		0.260		NS		NS		NS		9.500		7.910		NS	
	27-Mar-08	NS		4.330		NS		NS		NS		8.480		NS		NS		NS		6.280		15.100	
	25-Apr-08	NS		NS		0.347		NS		NS		NS		32.300		NS		17.900		NS		16.300	
	29-May-08	NS		NS		NS		5.500		NS		NS		NS		10.000		9.410		4.180		NS	
	27-Jun-08	47.300		NS		NS		NS		38.100		NS		NS		NS		NS		40.800		57.900	
	31-Jul-08	NS		2.460		NS		NS		NS		NS		NS		NS		1.840		NS		2.040	
	28-Aug-08	NS		NS		234.000		NS		NS		NS		NS		214.000		NS		229.000		208.000	
	30-Sep-08	NS		NS		NS		7.200		NS		NS		NS		NS		3.000	U	NS		6.800	
	27-Oct-08	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		NS		3.000	U	NS	
	25-Nov-08	NS		3.000	U	NS		NS		NS		3.000	U	NS		NS		3.000	U	3.000	U	NS	
	18-Dec-08	NS		NS		3.000	U	NS		NS		NS		4.700		NS		NS		10.300		17.100	
	21-Jan-09	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	13.900		NS		27.200	
	25-Feb-09	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	3.000	U	NS	
	26-Mar-09	NS		5.430		NS		-		NS		4.870		NS		NS		NS		20.600		33.000	
	29-Apr-09	NS		NS		1.200		NS		NS		NS		1.910		NS		4.120		NS		4.250	
	22-Jul-09	0.601	U	NS		24.500	U	1.200	U	NS		0.601	U	NS		NS		0.348		0.613		NS	
	9-Oct-09	NS		3.310		NS		NS		3.440		NS		2.790		25.100	U	6.950		NS		3.820	
	15-Jan-10	0.120		NS		1.060		0.715		NS		0.823		NS		NS		2.000		1.980		NS	
	21-Apr-10	NS		0.120	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	3.270		NS		2.840	
	16-Jul-10	1.780		NS		2.300		2.860		NS		1.360		NS		NS		1.630		5.050		NS	
	15-Oct-10	NS		0.685		NS		NS		1.750		NS		1.370		1.480		1.800		NS		2.470	
	26-Jan-11	1.200	U	0.120	U	NS		0.120	U	NS		0.601	U	NS		0.601	U	0.601	U	0.601	U	NS	
	28-Feb-11	NS		NS		1.200	U	NS		NS		NS		NS		NS		NS		NS		NS	
sec-Butylbenzene	8-Feb-08	2.740	U	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	NS	
	27-Mar-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		NS		2.740	U	2.740	U
	25-Apr-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	29-May-08	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	2.740	U	NS	
	27-Jun-08	4.270	U	NS		NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	2.740	U
	31-Jul-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		2.740	U	NS		2.740	U
	28-Aug-08	NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	2.740	U	NS		NS	
	27-Oct-08	NS		NS		NS		5.500	U	NS		NS		NS		NS		NS		5.500	U	5.500	U
	27-Oct-08	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		NS		NS		5.500	U
	25-Nov-08	NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U	5.500	U	NS	
	18-Dec-08	NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U	5.500	U
	21-Jan-09	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS		5.500	U
	25-Feb-09	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS	
	26-Mar-09	NS		13.700	U	NS		NS		NS		27.400	U	NS		NS		NS		2.740	U	2.740	U
	29-Apr-09	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	22-Jul-09	13.700	U	NS		13.700	U	27.400	U	NS		13.700	U	NS		NS		2.740	U	2.740	U	NS	
	9-Oct-09	NS		2.740	U	NS		NS		2.740		NS		2.740	U	573.000	U	2.740	U	NS		2.740	U
	15-Jan-10	2.740	U	NS		2.740	U	2.740	U	NS		2.740	U	NS		NS		2.740	U	2.740	U	NS	
	21-Apr-10	NS		2.740	U	NS		NS		13.700	U	NS		13.700	U	13.700	U	2.740	U	NS		2.740	U
	16-Jul-10	2.740	U	NS		2.74	U	2.740	U	NS		20.700	U	2.740	U	NS		2.740	U	2.740	U	NS	
	15-Oct-10	NS		2.740	U	NS		NS		2.740	U	NS		2.740		2.740	U	2.740	U	NS		2.740	U
	26-Jan-11	27.400	U	2.740	U	NS		2.740	U	NS		13.700	U	NS		13.700	U	13.700	U	13.700	U	NS	
	28-Feb-11	NS		NS		27.400	U	NS		NS		NS		NS		NS		NS		NS		NS	

Table 2: Summary of Subslab Air Sampling Data - Alvarez School Project - Volatile Organic Compounds
February 2008 - February 2011

Volatile Organic Compounds via TO-15	Sample Date	MP-1	Qual	MP-2	Qual	MP-3	Qual	MP-4	Qual	MP-5	Qual	MP-6	Qual	MP-7	Qual	MP-8	Qual	IMP-1	Qual	IMP-2	Qual	IMP-3	Qual
p-Isopropyltoluene	8-Feb-08	2.740	U	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	NS	
	27-Mar-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		NS		2.740	U	2.740	U
	25-Apr-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	29-May-08			NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	2.740	U	NS	
	27-Jun-08	4.270	U	NS		NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	2.740	U
	31-Jul-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		2.740	U	NS		2.740	U
	28-Aug-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	2.740	U	NS	
	30-Sep-08	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		5.500	U	5.500	U
	27-Oct-08	12.500		NS		NS		NS		5.500	U	NS		NS		NS		18.500		NS		5.500	U
	25-Nov-08	NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U	5.500	U	NS	
	18-Dec-08	NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U	5.500	U
	21-Jan-09	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS		5.500	U
	25-Feb-09	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS	
	26-Mar-09	NS		13.700	U	NS		NS		NS		27.400	U	NS		NS		NS		2.740	U	2.740	U
	29-Apr-09	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	22-Jul-09	13.700	U	NS		13.700	U	27.400	U	NS		13.700	U	NS		NS		2.740	U	2.740	U	NS	
	9-Oct-09	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	573.000	U	2.740	U	NS		2.740	U
	15-Jan-10	2.720	U	NS		2.740	U	2.740	U	NS		2.740	U	NS		NS		2.740	U	2.740	U	NS	
	21-Apr-10	NS		2.740	U	NS		NS		13.700	U	NS		13.700	U	13.700	U	2.740	U	NS		2.740	U
	16-Jul-10	2.740	U	NS		2.740	U	2.740	U	NS		20.700	U	NS		NS		2.740	U	2.740		NS	
	15-Oct-10	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	2.740	U	2.740	U	NS		2.740	U
	26-Jan-11	27.400	U	2.740	U	NS		2.740	U	NS		13.700	U	NS		13.700	U	13.700	U	13.700	U	NS	
	28-Feb-11	NS		NS		27.400	U	NS		NS		NS		NS		NS		NS		NS		NS	
1,2-Dichlorobenzene	8-Feb-08	0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.550		NS	
	27-Mar-08	NS		0.120	U	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.120	U
	25-Apr-08	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	NS		0.120	U
	29-May-08	NS		NS		NS		0.120	U	NS		NS		NS		0.120	U	0.120	U	0.120	U	NS	
	27-Jun-08	0.187	U	NS		NS		NS		0.120	U	NS		NS		NS		NS		0.120	U	0.120	U
	31-Jul-08	NS		0.120	U	NS		NS		NS		NS		NS		NS		0.120	U	NS		0.120	U
	28-Aug-08	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	0.120	U	NS	
	30-Sep-08	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		3.000	U	3.000	U
	27-Oct-08	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		3.000	U
	25-Nov-08	NS		3.000	U	NS		NS		NS		3.000	U	NS		NS		3.000	U	3.000	U	NS	
	18-Dec-08	NS		NS		3.000	U	NS		NS		NS		3.000	U	NS		NS		3.000	U	3.000	U
	21-Jan-09	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	3.000	U	NS		3.000	U
	25-Feb-09	3.000	U	NS		NS		NS		3.000	U	NS		NS		NS		3.000	U	3.000	U	NS	
	26-Mar-09	NS		0.601	U	NS		NS		NS		1.200	U	NS		NS		NS		0.120	U	0.120	U
	29-Apr-09	NS		NS		0.120	U	NS		NS		NS		0.120	U	NS		0.120	U	NS		0.120	U
	22-Jul-09	0.601	U	NS		24.000	U	1.200	U	NS		0.601	U	NS		NS		0.120	U	0.120	U	NS	
	9-Oct-09	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	25.100	U	0.120	U	NS		0.120	U
	15-Jan-10	0.120	U	NS		0.120	U	0.120	U	NS		0.120	U	NS		NS		0.120	U	0.120	U	NS	
	21-Apr-10	NS		0.120	U	NS		NS		0.601	U	NS		0.601	U	0.601	U	0.120	U	NS		0.120	U
	16-Jul-10	0.120	U	NS		0.120	U	0.120	U	NS		0.907	U	NS		NS		0.120	U	1.200	U	NS	
	15-Oct-10	NS		0.120	U	NS		NS		0.120	U	NS		0.120	U	0.120	U	0.120	U	NS		0.120	U
	26-Jan-11	1.200	U	0.120	U	NS		0.120	U	NS		0.601	U	NS		NS		0.601	U	0.601	U	NS	
	28-Feb-11	NS		NS		1.200	U	NS		NS		NS		NS		NS		NS		NS		NS	
n-Butylbenzene	8-Feb-08	2.740	U	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	NS	
	27-Mar-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		NS		2.740	U	2.740	U
	25-Apr-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	29-May-08	NS		NS		NS		2.740	U	NS		NS		NS		2.740	U	2.740	U	2.740	U	NS	
	27-Jun-08	4.270	U	NS		NS		NS		2.740	U	NS		NS		NS		NS		2.740	U	2.740	U
	31-Jul-08	NS		2.740	U	NS		NS		NS		NS		NS		NS		2.740	U	NS		2.740	U
	28-Aug-08	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	2.740	U	NS	
	30-Sep-08	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	NS		5.500	U	5.500	U
	27-Oct-08	22.100		NS		NS		NS		5.500	U	NS		NS		NS		12.800		NS		5.500	U
	25-Nov-08	NS		5.500	U	NS		NS		NS		5.500	U	NS		NS		5.500	U	11.500		NS	
	18-Dec-08	NS		NS		5.500	U	NS		NS		NS		NS		5.500	U	NS		5.500	U	5.500	U
	21-Jan-09	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS		5.500	U
	25-Feb-09	5.500	U	NS		NS		NS		5.500	U	NS		NS		NS		5.500	U	5.500	U	NS	
	26-Mar-09	NS		13.700	U	NS		NS		NS		27.400	U	NS		NS		NS		2.740	U	2.740	U
	29-Apr-09	NS		NS		2.740	U	NS		NS		NS		2.740	U	NS		2.740	U	NS		2.740	U
	22-Jul-09	13.700	U	NS		13.700	U	27.400	U	NS		13.700	U	NS		NS		2.740	U	2.740	U	NS	
	9-Oct-09	NS		1.080	U	NS		NS		2.740	U	NS		2.740	U	573.000	U	2.740	U	NS		2.740	U
	15-Jan-10	2.740	U	NS		2.740	U	2.740	U	NS		2.740	U	NS		NS		2.740	U	2.740	U	NS	
	21-Apr-10	NS		2.740	U	NS		NS		13.700	U	NS		13.700	U	13.700	U	2.740	U	NS		2.740	U
	16-Jul-10	2.740	U	NS		2.740	U	2.740	U	NS		20.700	U	NS		NS		2.740	U	2.740	U	NS	
	15-Oct-10	NS		2.740	U	NS		NS		2.740	U	NS		2.740	U	2.740	U	2.740	U	NS		2.740	U
	26-Jan-11	27.400	U	2.740	U	NS		2.740	U	NS		13.700	U	NS		13.700	U	13.700	U	13.700	U	NS	
	28-Feb-11	NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
						27.400	U																

Notes:
All data presented in micrograms per cubic meter (ug/m3).
U: designation indicates that the compound was not detected by the laboratory. Reporting limit shown in the data column.
NS: not sampled.
* = Site Specific Compound of Concern per ATSDR Health Consultation, December 4, 2006.

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1101203
Client:	EA Engineering, Science and Tech 2374 Post Road Suite 102 Warwick, RI 02886
ATTN:	Frank Postma
Phone:	(401) 736-3440
Project Name:	ALVAREZ HIGH SCHOOL
Project Number:	14687.01
Report Date:	02/04/11

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

ALPHA ANALYTICAL

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1101203-01	MP-1	PROVIDENCE, RI	01/26/11 12:40
L1101203-02	MP-2	PROVIDENCE, RI	01/26/11 12:46
L1101203-03	MP-3	PROVIDENCE, RI	01/26/11 12:59
L1101203-04	MP-4	PROVIDENCE, RI	01/26/11 13:06
L1101203-05	MP-6	PROVIDENCE, RI	01/26/11 13:28
L1101203-06	MP-8	PROVIDENCE, RI	01/26/11 13:11
L1101203-07	IMP-1	PROVIDENCE, RI	01/26/11 12:09
L1101203-08	IMP-2	PROVIDENCE, RI	01/26/11 12:07

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

The canister certification results are provided as an addendum.

Login Narrative

The sample canister identified as "MP-3" was received empty and therefore, the analysis was cancelled.

L1101203-02 The RPD of the pre- and post-flow controller calibration check (26% RPD) was outside acceptable limits (< or = 20% RPD).
L1101203-04 The RPD of the pre- and post-flow controller calibration check (30% RPD) was outside acceptable limits (< or = 20% RPD).

Volatile Organics in Air (SIM)

L1101203-01 and WG453571-5 Duplicate have elevated detection limits due to the dilution required by the

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1101203
Project Number: 14687.01 **Report Date:** 02/04/11

Case Narrative (continued)

elevated concentrations of target compounds in the sample.

L1101203-01, -04, -06, -08 and WG453571-5 Duplicate: results for Chloromethane should be considered estimated due to co-elution with a non-target peak.

L1101203-05 through -08 have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien Kathleen O'Brien

Title: Technical Director/Representative Date: 02/04/11

AIR

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-01 D
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/02/11 23:28
Analyst: BS

Date Collected: 01/26/11 12:40
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		10
Chloromethane	ND	5.00	--	ND	10.3	--		10
Vinyl chloride	ND	0.200	--	ND	0.511	--		10
Chloroethane	ND	0.200	--	ND	0.527	--		10
Acetone	48.1	20.0	--	114	47.5	--		10
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		10
Acrylonitrile	ND	5.00	--	ND	10.8	--		10
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		10
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		10
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		10
2-Butanone	319	5.00	--	940	14.7	--		10
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		10
Chloroform	0.570	0.200	--	2.78	0.976	--		10
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		10
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Benzene	ND	1.00	--	ND	3.19	--		10
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		10
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		10
Bromodichloromethane	ND	0.200	--	ND	1.34	--		10
Trichloroethene	ND	0.200	--	ND	1.07	--		10
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		10

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-01 D
Client ID: MP-1
Sample Location: PROVIDENCE, RI

Date Collected: 01/26/11 12:40
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Toluene	1.61	0.500	--	6.06	1.88	--		10
Dibromochloromethane	ND	0.200	--	ND	1.70	--		10
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		10
Tetrachloroethene	ND	0.200	--	ND	1.36	--		10
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		10
Chlorobenzene	ND	0.200	--	ND	0.920	--		10
Ethylbenzene	0.290	0.200	--	1.26	0.868	--		10
p/m-Xylene	0.710	0.400	--	3.08	1.74	--		10
Bromoform	ND	0.200	--	ND	2.06	--		10
Styrene	ND	0.200	--	ND	0.851	--		10
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		10
o-Xylene	0.250	0.200	--	1.08	0.868	--		10
Isopropylbenzene	ND	5.00	--	ND	24.6	--		10
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		10
1,2,4-Trimethylbenzene	0.250	0.200	--	1.23	0.982	--		10
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
sec-Butylbenzene	ND	5.00	--	ND	27.4	--		10
p-Isopropyltoluene	ND	5.00	--	ND	27.4	--		10
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
n-Butylbenzene	ND	5.00	--	ND	27.4	--		10

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-01 D
Client ID: MP-1
Sample Location: PROVIDENCE, RI
Date Collected: 01/26/11 12:40
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	96		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-02
Client ID: MP-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/03/11 00:42
Analyst: BS

Date Collected: 01/26/11 12:46
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.446	0.050	--	2.20	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	11.3	2.00	--	26.8	4.75	--		1
Trichlorofluoromethane	0.206	0.050	--	1.16	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	7.56	0.500	--	22.3	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.025	0.020	--	0.122	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.779	0.100	--	2.49	0.319	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	0.304	0.020	--	1.63	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-02
Client ID: MP-2
Sample Location: PROVIDENCE, RI
Date Collected: 01/26/11 12:46
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.81	0.050	--	6.82	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.102	0.020	--	0.691	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.374	0.020	--	1.62	0.087	--		1
p/m-Xylene	0.978	0.040	--	4.24	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.038	0.020	--	0.162	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.347	0.020	--	1.50	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.089	0.020	--	0.437	0.098	--		1
1,2,4-Trimethylbenzene	0.286	0.020	--	1.40	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-02
Client ID: MP-2
Sample Location: PROVIDENCE, RI

Date Collected: 01/26/11 12:46
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	102		60-140
chlorobenzene-d5	100		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-04
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/03/11 01:19
Analyst: BS

Date Collected: 01/26/11 13:06
Date Received: 01/28/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.534	0.050	--	2.64	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	0.029	0.020	--	0.077	0.053	--		1
Acetone	22.9	2.00	--	54.4	4.75	--		1
Trichlorofluoromethane	2.46	0.050	--	13.8	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	5.59	0.500	--	16.5	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	0.033	0.020	--	0.161	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	0.770	0.100	--	2.46	0.319	--		1
Carbon tetrachloride	0.066	0.020	--	0.415	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	1.85	0.020	--	9.94	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-04
Client ID: MP-4
Sample Location: PROVIDENCE, RI

Date Collected: 01/26/11 13:06
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	1.81	0.050	--	6.82	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	0.187	0.020	--	1.27	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	0.383	0.020	--	1.66	0.087	--		1
p/m-Xylene	1.01	0.040	--	4.37	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	0.042	0.020	--	0.179	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	0.355	0.020	--	1.54	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	0.096	0.020	--	0.472	0.098	--		1
1,2,4-Trimethylbenzene	0.326	0.020	--	1.60	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-04
Client ID: MP-4
Sample Location: PROVIDENCE, RI
Date Collected: 01/26/11 13:06
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor

Volatile Organics in Air by SIM - Mansfield Lab

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	90		60-140
bromochloromethane	92		60-140
chlorobenzene-d5	92		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-05 D
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/03/11 01:54
Analyst: BS

Date Collected: 01/26/11 13:28
Date Received: 01/28/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.400	0.250	--	1.98	1.24	--		5
Chloromethane	ND	2.50	--	ND	5.16	--		5
Vinyl chloride	ND	0.100	--	ND	0.255	--		5
Chloroethane	ND	0.100	--	ND	0.264	--		5
Acetone	14.5	10.0	--	34.4	23.7	--		5
Trichlorofluoromethane	ND	0.250	--	ND	1.40	--		5
Acrylonitrile	ND	2.50	--	ND	5.42	--		5
1,1-Dichloroethene	ND	0.100	--	ND	0.396	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
trans-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
1,1-Dichloroethane	ND	0.100	--	ND	0.404	--		5
Methyl tert butyl ether	ND	0.100	--	ND	0.360	--		5
2-Butanone	ND	2.50	--	ND	7.37	--		5
cis-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
Chloroform	ND	0.100	--	ND	0.488	--		5
1,2-Dichloroethane	ND	0.100	--	ND	0.404	--		5
1,1,1-Trichloroethane	ND	0.100	--	ND	0.545	--		5
Benzene	ND	0.500	--	ND	1.60	--		5
Carbon tetrachloride	ND	0.100	--	ND	0.629	--		5
1,2-Dichloropropane	ND	0.100	--	ND	0.462	--		5
Bromodichloromethane	ND	0.100	--	ND	0.670	--		5
Trichloroethene	ND	0.100	--	ND	0.537	--		5
cis-1,3-Dichloropropene	ND	0.100	--	ND	0.453	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	0.100	--	ND	0.453	--		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-05 D
Client ID: MP-6
Sample Location: PROVIDENCE, RI
Date Collected: 01/26/11 13:28
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.100	--	ND	0.545	--		5
Toluene	1.26	0.250	--	4.74	0.941	--		5
Dibromochloromethane	ND	0.100	--	ND	0.851	--		5
1,2-Dibromoethane	ND	0.100	--	ND	0.768	--		5
Tetrachloroethene	ND	0.100	--	ND	0.678	--		5
1,1,1,2-Tetrachloroethane	ND	0.100	--	ND	0.686	--		5
Chlorobenzene	ND	0.100	--	ND	0.460	--		5
Ethylbenzene	0.290	0.100	--	1.26	0.434	--		5
p/m-Xylene	0.705	0.200	--	3.06	0.868	--		5
Bromoform	ND	0.100	--	ND	1.03	--		5
Styrene	ND	0.100	--	ND	0.426	--		5
1,1,2,2-Tetrachloroethane	ND	0.100	--	ND	0.686	--		5
o-Xylene	0.255	0.100	--	1.11	0.434	--		5
Isopropylbenzene	ND	2.50	--	ND	12.3	--		5
1,3,5-Trimethybenzene	ND	0.100	--	ND	0.491	--		5
1,2,4-Trimethylbenzene	0.260	0.100	--	1.28	0.491	--		5
1,3-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
1,4-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
sec-Butylbenzene	ND	2.50	--	ND	13.7	--		5
p-Isopropyltoluene	ND	2.50	--	ND	13.7	--		5
1,2-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
n-Butylbenzene	ND	2.50	--	ND	13.7	--		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-05 D
Client ID: MP-6
Sample Location: PROVIDENCE, RI

Date Collected: 01/26/11 13:28
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	103		60-140
bromochloromethane	104		60-140
chlorobenzene-d5	102		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-06 D
Client ID: MP-8
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/03/11 02:31
Analyst: BS

Date Collected: 01/26/11 13:11
Date Received: 01/28/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.520	0.250	--	2.57	1.24	--		5
Chloromethane	ND	2.50	--	ND	5.16	--		5
Vinyl chloride	ND	0.100	--	ND	0.255	--		5
Chloroethane	ND	0.100	--	ND	0.264	--		5
Acetone	14.9	10.0	--	35.4	23.7	--		5
Trichlorofluoromethane	ND	0.250	--	ND	1.40	--		5
Acrylonitrile	ND	2.50	--	ND	5.42	--		5
1,1-Dichloroethene	ND	0.100	--	ND	0.396	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
trans-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
1,1-Dichloroethane	ND	0.100	--	ND	0.404	--		5
Methyl tert butyl ether	ND	0.100	--	ND	0.360	--		5
2-Butanone	17.1	2.50	--	50.4	7.37	--		5
cis-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
Chloroform	ND	0.100	--	ND	0.488	--		5
1,2-Dichloroethane	ND	0.100	--	ND	0.404	--		5
1,1,1-Trichloroethane	ND	0.100	--	ND	0.545	--		5
Benzene	0.580	0.500	--	1.85	1.60	--		5
Carbon tetrachloride	ND	0.100	--	ND	0.629	--		5
1,2-Dichloropropane	ND	0.100	--	ND	0.462	--		5
Bromodichloromethane	ND	0.100	--	ND	0.670	--		5
Trichloroethene	0.115	0.100	--	0.617	0.537	--		5
cis-1,3-Dichloropropene	ND	0.100	--	ND	0.453	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	0.100	--	ND	0.453	--		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-06 D
Client ID: MP-8
Sample Location: PROVIDENCE, RI

Date Collected: 01/26/11 13:11
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.100	--	ND	0.545	--		5
Toluene	1.58	0.250	--	5.95	0.941	--		5
Dibromochloromethane	ND	0.100	--	ND	0.851	--		5
1,2-Dibromoethane	ND	0.100	--	ND	0.768	--		5
Tetrachloroethene	0.120	0.100	--	0.813	0.678	--		5
1,1,1,2-Tetrachloroethane	ND	0.100	--	ND	0.686	--		5
Chlorobenzene	ND	0.100	--	ND	0.460	--		5
Ethylbenzene	0.280	0.100	--	1.21	0.434	--		5
p/m-Xylene	0.730	0.200	--	3.17	0.868	--		5
Bromoform	ND	0.100	--	ND	1.03	--		5
Styrene	ND	0.100	--	ND	0.426	--		5
1,1,2,2-Tetrachloroethane	ND	0.100	--	ND	0.686	--		5
o-Xylene	0.265	0.100	--	1.15	0.434	--		5
Isopropylbenzene	ND	2.50	--	ND	12.3	--		5
1,3,5-Trimethybenzene	ND	0.100	--	ND	0.491	--		5
1,2,4-Trimethylbenzene	0.275	0.100	--	1.35	0.491	--		5
1,3-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
1,4-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
sec-Butylbenzene	ND	2.50	--	ND	13.7	--		5
p-Isopropyltoluene	ND	2.50	--	ND	13.7	--		5
1,2-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
n-Butylbenzene	ND	2.50	--	ND	13.7	--		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-06 D
Client ID: MP-8
Sample Location: PROVIDENCE, RI
Date Collected: 01/26/11 13:11
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	100		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	98		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-07 D
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/03/11 03:09
Analyst: BS

Date Collected: 01/26/11 12:09
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.670	0.250	--	3.31	1.24	--		5
Chloromethane	ND	2.50	--	ND	5.16	--		5
Vinyl chloride	ND	0.100	--	ND	0.255	--		5
Chloroethane	ND	0.100	--	ND	0.264	--		5
Acetone	10.7	10.0	--	25.3	23.7	--		5
Trichlorofluoromethane	0.305	0.250	--	1.71	1.40	--		5
Acrylonitrile	ND	2.50	--	ND	5.42	--		5
1,1-Dichloroethene	ND	0.100	--	ND	0.396	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
trans-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
1,1-Dichloroethane	ND	0.100	--	ND	0.404	--		5
Methyl tert butyl ether	ND	0.100	--	ND	0.360	--		5
2-Butanone	ND	2.50	--	ND	7.37	--		5
cis-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
Chloroform	ND	0.100	--	ND	0.488	--		5
1,2-Dichloroethane	ND	0.100	--	ND	0.404	--		5
1,1,1-Trichloroethane	ND	0.100	--	ND	0.545	--		5
Benzene	0.565	0.500	--	1.80	1.60	--		5
Carbon tetrachloride	ND	0.100	--	ND	0.629	--		5
1,2-Dichloropropane	ND	0.100	--	ND	0.462	--		5
Bromodichloromethane	ND	0.100	--	ND	0.670	--		5
Trichloroethene	0.230	0.100	--	1.23	0.537	--		5
cis-1,3-Dichloropropene	ND	0.100	--	ND	0.453	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	0.100	--	ND	0.453	--		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-07 D
Client ID: IMP-1
Sample Location: PROVIDENCE, RI
Date Collected: 01/26/11 12:09
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.100	--	ND	0.545	--		5
Toluene	3.22	0.250	--	12.1	0.941	--		5
Dibromochloromethane	ND	0.100	--	ND	0.851	--		5
1,2-Dibromoethane	ND	0.100	--	ND	0.768	--		5
Tetrachloroethene	0.315	0.100	--	2.13	0.678	--		5
1,1,1,2-Tetrachloroethane	ND	0.100	--	ND	0.686	--		5
Chlorobenzene	ND	0.100	--	ND	0.460	--		5
Ethylbenzene	0.955	0.100	--	4.14	0.434	--		5
p/m-Xylene	2.66	0.200	--	11.5	0.868	--		5
Bromoform	ND	0.100	--	ND	1.03	--		5
Styrene	0.100	0.100	--	0.426	0.426	--		5
1,1,2,2-Tetrachloroethane	ND	0.100	--	ND	0.686	--		5
o-Xylene	0.995	0.100	--	4.32	0.434	--		5
Isopropylbenzene	ND	2.50	--	ND	12.3	--		5
1,3,5-Trimethybenzene	0.405	0.100	--	1.99	0.491	--		5
1,2,4-Trimethylbenzene	1.41	0.100	--	6.93	0.491	--		5
1,3-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
1,4-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
sec-Butylbenzene	ND	2.50	--	ND	13.7	--		5
p-Isopropyltoluene	ND	2.50	--	ND	13.7	--		5
1,2-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
n-Butylbenzene	ND	2.50	--	ND	13.7	--		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-07 D
Client ID: IMP-1
Sample Location: PROVIDENCE, RI

Date Collected: 01/26/11 12:09
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	88		60-140
chlorobenzene-d5	85		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-08 D
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 02/03/11 03:46
Analyst: BS

Date Collected: 01/26/11 12:07
Date Received: 01/28/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	0.655	0.250	--	3.24	1.24	--		5
Chloromethane	ND	2.50	--	ND	5.16	--		5
Vinyl chloride	ND	0.100	--	ND	0.255	--		5
Chloroethane	ND	0.100	--	ND	0.264	--		5
Acetone	14.0	10.0	--	33.3	23.7	--		5
Trichlorofluoromethane	4.64	0.250	--	26.0	1.40	--		5
Acrylonitrile	ND	2.50	--	ND	5.42	--		5
1,1-Dichloroethene	ND	0.100	--	ND	0.396	--		5
Methylene chloride	ND	5.00	--	ND	17.4	--		5
trans-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
1,1-Dichloroethane	ND	0.100	--	ND	0.404	--		5
Methyl tert butyl ether	ND	0.100	--	ND	0.360	--		5
2-Butanone	ND	2.50	--	ND	7.37	--		5
cis-1,2-Dichloroethene	ND	0.100	--	ND	0.396	--		5
Chloroform	ND	0.100	--	ND	0.488	--		5
1,2-Dichloroethane	ND	0.100	--	ND	0.404	--		5
1,1,1-Trichloroethane	0.155	0.100	--	0.845	0.545	--		5
Benzene	0.595	0.500	--	1.90	1.60	--		5
Carbon tetrachloride	ND	0.100	--	ND	0.629	--		5
1,2-Dichloropropane	ND	0.100	--	ND	0.462	--		5
Bromodichloromethane	ND	0.100	--	ND	0.670	--		5
Trichloroethene	5.05	0.100	--	27.1	0.537	--		5
cis-1,3-Dichloropropene	ND	0.100	--	ND	0.453	--		5
4-Methyl-2-pentanone	ND	2.50	--	ND	10.2	--		5
trans-1,3-Dichloropropene	ND	0.100	--	ND	0.453	--		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-08 D
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Date Collected: 01/26/11 12:07
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.100	--	ND	0.545	--		5
Toluene	3.17	0.250	--	11.9	0.941	--		5
Dibromochloromethane	ND	0.100	--	ND	0.851	--		5
1,2-Dibromoethane	ND	0.100	--	ND	0.768	--		5
Tetrachloroethene	1.22	0.100	--	8.30	0.678	--		5
1,1,1,2-Tetrachloroethane	ND	0.100	--	ND	0.686	--		5
Chlorobenzene	ND	0.100	--	ND	0.460	--		5
Ethylbenzene	1.08	0.100	--	4.68	0.434	--		5
p/m-Xylene	3.14	0.200	--	13.6	0.868	--		5
Bromoform	ND	0.100	--	ND	1.03	--		5
Styrene	0.145	0.100	--	0.617	0.426	--		5
1,1,2,2-Tetrachloroethane	ND	0.100	--	ND	0.686	--		5
o-Xylene	1.19	0.100	--	5.16	0.434	--		5
Isopropylbenzene	ND	2.50	--	ND	12.3	--		5
1,3,5-Trimethybenzene	0.585	0.100	--	2.87	0.491	--		5
1,2,4-Trimethylbenzene	2.12	0.100	--	10.4	0.491	--		5
1,3-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
1,4-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
sec-Butylbenzene	ND	2.50	--	ND	13.7	--		5
p-Isopropyltoluene	ND	2.50	--	ND	13.7	--		5
1,2-Dichlorobenzene	ND	0.100	--	ND	0.601	--		5
n-Butylbenzene	ND	2.50	--	ND	13.7	--		5

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

SAMPLE RESULTS

Lab ID: L1101203-08 D
Client ID: IMP-2
Sample Location: PROVIDENCE, RI
Date Collected: 01/26/11 12:07
Date Received: 01/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	103		60-140
bromochloromethane	84		60-140
chlorobenzene-d5	102		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/02/11 20:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02,04-08 Batch: WG453571-4								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Lab Number: L1101203
Project Number: 14687.01
Report Date: 02/04/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 02/02/11 20:48

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01-02,04-08 Batch: WG453571-4								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04-08 Batch: WG453571-3								
Dichlorodifluoromethane	98		-		70-130	-		25
Chloromethane	82		-		70-130	-		25
Vinyl chloride	95		-		70-130	-		25
Chloroethane	92		-		70-130	-		25
Acetone	82		-		70-130	-		25
Trichlorofluoromethane	98		-		70-130	-		25
Acrylonitrile	83		-		70-130	-		25
1,1-Dichloroethene	95		-		70-130	-		25
Methylene chloride	88		-		70-130	-		25
trans-1,2-Dichloroethene	89		-		70-130	-		25
1,1-Dichloroethane	96		-		70-130	-		25
Methyl tert butyl ether	86		-		70-130	-		25
2-Butanone	93		-		70-130	-		25
cis-1,2-Dichloroethene	99		-		70-130	-		25
Chloroform	99		-		70-130	-		25
1,2-Dichloroethane	93		-		70-130	-		25
1,1,1-Trichloroethane	97		-		70-130	-		25
Benzene	85		-		70-130	-		25
Carbon tetrachloride	99		-		70-130	-		25
1,2-Dichloropropane	95		-		70-130	-		25
Bromodichloromethane	94		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04-08 Batch: WG453571-3								
Trichloroethene	96		-		70-130	-		25
cis-1,3-Dichloropropene	97		-		70-130	-		25
4-Methyl-2-pentanone	93		-		70-130	-		25
trans-1,3-Dichloropropene	81		-		70-130	-		25
1,1,2-Trichloroethane	100		-		70-130	-		25
Toluene	87		-		70-130	-		25
Dibromochloromethane	101		-		70-130	-		25
1,2-Dibromoethane	101		-		70-130	-		25
Tetrachloroethene	104		-		70-130	-		25
1,1,1,2-Tetrachloroethane	103		-		70-130	-		25
Chlorobenzene	101		-		70-130	-		25
Ethylbenzene	93		-		70-130	-		25
p/m-Xylene	96		-		70-130	-		25
Bromoform	100		-		70-130	-		25
Styrene	97		-		70-130	-		25
1,1,2,2-Tetrachloroethane	103		-		70-130	-		25
o-Xylene	97		-		70-130	-		25
Isopropylbenzene	97		-		70-130	-		25
1,3,5-Trimethylbenzene	101		-		70-130	-		25
1,2,4-Trimethylbenzene	106		-		70-130	-		25
1,3-Dichlorobenzene	106		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04-08 Batch: WG453571-3								
1,4-Dichlorobenzene	104		-		70-130	-		25
sec-Butylbenzene	102		-		70-130	-		25
p-Isopropyltoluene	96		-		70-130	-		25
1,2-Dichlorobenzene	105		-		70-130	-		25
n-Butylbenzene	99		-		70-130	-		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04-08 QC Batch ID: WG453571-5 QC Sample: L1101203-01 Client ID: MP-1						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Acetone	48.1	47.0	ppbV	2		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Acrylonitrile	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	319	288	ppbV	10		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	0.570	0.570	ppbV	0		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1101203
Report Date: 02/04/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04-08 QC Batch ID: WG453571-5 QC Sample: L1101203-01 Client ID: MP-1					
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	1.61	1.58	ppbV	2	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	0.290	0.290	ppbV	0	25
p/m-Xylene	0.710	0.670	ppbV	6	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	0.250	0.240	ppbV	4	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01-02,04-08 QC Batch ID: WG453571-5 QC Sample: L1101203-01 Client ID: MP-1					
Isopropylbenzene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.250	0.230	ppbV	8	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25

Project Name: ALVAREZ HIGH SCHOOL
Lab Number: L1101203

Project Number: 14687.01
Report Date: 02/04/11

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1101203-01	MP-1	0037	#30 SV		-	-	70	73	4
L1101203-01	MP-1	235	2.7L Can	L1100021	-29.4	-1.6	-	-	-
L1101203-02	MP-2	0265	#90 SV		-	-	69	90	26
L1101203-02	MP-2	469	2.7L Can	I1020563	-29.4	1.9	-	-	-
L1101203-03	MP-3	0014	#90 SV		-	-	69	67	3
L1101203-03	MP-3	371	2.7L Can	L1100021	-29.4	-27.8	-	-	-
L1101203-04	MP-4	0271	#90 SV		-	-	72	53	30
L1101203-04	MP-4	399	2.7L Can	L1100021	-29.4	1.7	-	-	-
L1101203-05	MP-6	0446	#90 SV		-	-	66	66	0
L1101203-05	MP-6	355	2.7L Can	L1100021	-29.4	-5.0	-	-	-
L1101203-06	MP-8	0412	#90 SV		-	-	72	72	0
L1101203-06	MP-8	401	2.7L Can	L1100021	-29.1	-1.9	-	-	-
L1101203-07	IMP-1	0332	#90 SV		-	-	68	72	6
L1101203-07	IMP-1	554	2.7L Can	L1100021	-28.2	-0.2	-	-	-
L1101203-08	IMP-2	0045	#90 SV		-	-	70	75	7
L1101203-08	IMP-2	241	2.7L Can	I1020563	-29.4	-0.3	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1020563
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1020563-01
Client ID: CAN 213 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 12/29/10 18:47
Analyst: BS

Date Collected: 12/27/10 00:00
Date Received: 12/27/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1020563
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1020563-01
Client ID: CAN 213 SHELF 2
Sample Location:

Date Collected: 12/27/10 00:00
Date Received: 12/27/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1020563
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1020563-01
Client ID: CAN 213 SHELF 2
Sample Location:

Date Collected: 12/27/10 00:00
Date Received: 12/27/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1020563
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1020563-01
Client ID: CAN 213 SHELF 2
Sample Location:

Date Collected: 12/27/10 00:00
Date Received: 12/27/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1020563
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1020563-01
Client ID: CAN 213 SHELF 2
Sample Location:

Date Collected: 12/27/10 00:00
Date Received: 12/27/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	94		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1020563
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1020563-01
Client ID: CAN 213 SHELF 2
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 12/29/10 18:47
Analyst: BS

Date Collected: 12/27/10 00:00
Date Received: 12/27/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1020563
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1020563-01
Client ID: CAN 213 SHELF 2
Sample Location:

Date Collected: 12/27/10 00:00
Date Received: 12/27/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1020563
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1020563-01
Client ID: CAN 213 SHELF 2
Sample Location:

Date Collected: 12/27/10 00:00
Date Received: 12/27/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1020563
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1020563-01
Client ID: CAN 213 SHELF 2
Sample Location:

Date Collected: 12/27/10 00:00
Date Received: 12/27/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	109		60-140
bromochloromethane	97		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1100021
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100021-01
Client ID: CAN 258 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/05/11 19:06
Analyst: RY

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1100021
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100021-01
Client ID: CAN 258 SHELF 8
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Methylene chloride	ND	1.00	--	ND	3.47	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1100021
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100021-01
Client ID: CAN 258 SHELF 8
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1100021
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100021-01
Client ID: CAN 258 SHELF 8
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
Bromobenzene	ND	0.200	--	ND	1.28	--		1
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1100021
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100021-01
Client ID: CAN 258 SHELF 8
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	113		60-140
chlorobenzene-d5	86		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1100021
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100021-01
Client ID: CAN 258 SHELF 8
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/05/11 19:06
Analyst: RY

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1100021
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100021-01
Client ID: CAN 258 SHELF 8
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1100021
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100021-01
Client ID: CAN 258 SHELF 8
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1100021
Report Date: 02/04/11

Air Canister Certification Results

Lab ID: L1100021-01
Client ID: CAN 258 SHELF 8
Sample Location:

Date Collected: 12/30/10 00:00
Date Received: 12/30/10
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	98		60-140
bromochloromethane	116		60-140
chlorobenzene-d5	83		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION **Lab Number:** L1100021

Project Number: CANISTER QC BAT **Report Date:** 02/04/11

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1100021-01	Date Collected:	12/30/10 00:00
Client ID:	CAN 258 SHELF 8	Date Received:	12/30/10
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	01/05/11 20:41		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1101203
Report Date: 02/04/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1101203-01A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1101203-02A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1101203-03A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	CANCELLED()
L1101203-04A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1101203-05A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1101203-06A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1101203-07A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)
L1101203-08A	Canister - 2.7 Liter	N/A	NA		NA	Present/Intact	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1101203
Project Number:	14687.01	**Report Date:**	02/04/11

GLOSSARY

Acronyms

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A · Spectra identified as "Aldol Condensation Product".

B · The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D · Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E · Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G · The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H · The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I · The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

P · The RPD between the results for the two columns exceeds the method-specified criteria.

Q · The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1101203
Project Number:	14687.01	**Report Date:**	02/04/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1101203
Report Date: 02/04/11

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised July 19, 2010 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, EPA 120.1, SM2510B, EPA 245.1, EPA 150.1, EPA 160.2, SM2540D, EPA 335.2, SM2540G, EPA 180.1. Organic Parameters: EPA 625, 608.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045, 9014. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 120.1, 150.1, 160.2, 180.1, 200.8, 245.1, 310.1, 335.2, 608, 625, 1631, 3010, 3015, 3020, 6020, 9010, 9014, 9040, SM2320B, 2510B, 2540D, 2540G, 4500CN-E, 4500H-B, Organic Parameters: EPA 3510, 3580, 3630, 3640, 3660, 3665, 5030, 8015 (mod), 3570, 8081, 8082, 8260, 8270,)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7196, 7470, 7471, 7474, 9010, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015 (mod), EPA 3570, 1311, 3050, 3051, 3060, 3580, 3630, 3640, 3660, 3665, 5035, 8081, 8082, 8260, 8270.)

Biological Tissue (Inorganic Parameters: EPA 6020. Organic Parameters: EPA 3570, 3510, 3610, 3630, 3640, 8270.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA030.

Non-Potable Water (Inorganic Parameters: SM4500H+B. Organic Parameters: EPA 624.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 200.8, 245.1, 1631E, 120.1, 150.1, 180.1, 310.1, 335.2, 160.2, SM2540D, 2540G, 4500CN-E, 4500H+B, 2320B, 2510B. Organic Parameters: EPA 625, 608.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, 6020, SM2320B, EPA 200.8, SM2540C, 2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 9040B, 6020, 9010B, 9014 Organic Parameters: EPA 608, 625, SW-846 3510C, 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9045C, 9060. Organic Parameters: SW-846 3580A, 5030B, 3035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 3570, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3610B, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 310.1, SM2320B, EPA 365.2, 160.1, EPA 160.2, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 335.2, 9014, 150.1, 9040B, 120.1, SM2510B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 624, 8260B, 8270C, 608, 8081A, 625, 8082, 3510C, 3511, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, SW-846 Ch7 Sec 7.3, EPA 6020, 7196A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 3050B, 3580, 3050B, 3035, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to MA-DEP Certificate for Non-Potable Water.

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312,3051, 6020, 747A, 7474, 9045C,9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580, 3570, 3540C, 5035, 8260B, 8270C, 8270 Alk-PAH, 8082, 8081A, 8015 (SHC), 8015 (DRO).

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

Serial_No:02041112:27

AIR ANALYSIS

PAGE 1 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: EA Engineering
Address: 2374 Post Rd Suite 102
Phone: 401-736-3440
Fax:
Email: rmack@eaest.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez
Project Location: Providence, RI
Project #: 14687.01
Project Manager: Frank Postma
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: Time:

Date Rec'd in Lab:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: (Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

ALPHA Job #: L1101203

Billing Information

☑ Same as Client info | PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
	~~Gymnasium~~	~~1-26-11~~	~~741~~	~~812~~		~~18.11~~													
	~~Cafeteria~~	~~1-26-11~~	~~741~~	~~810~~		~~18.60~~													
	~~Room 115~~	~~1-26-11~~	~~739~~	~~809~~	~~29.10~~	~~17.75~~													
1203-01	MP-1	1-26-11	1207	1240	29.09	2.97	SV	KM/MT		235	0037			X					4263 ppb
-02	MP-2	1-26-11	1218	1246	28.49	0	SV			469	0265			X					0 ppb
-03	MP-3	1-26-11	1229	1259	28.91	27.16	SV			371	0014			X					NA
-04	MP-4	1-26-11	1232	1306	28.81	0	SV			399	0271			X					NA
-05	MP-6	1-26-11	1259	1328	28.84	5.90	SV			355	0446			X					NA
-06	MP-8	1-26-11	1239	1311	28.90	3.39	SV			401	0412			X					NA
-07	IMP-1	1-26-11	1131	1209	27.81	0	SV			554	0330			X					4030 ppb

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
Paul Thy	1/28/11 1604		1/28/11 1605
	1/28/11 1715		1/28/11 17:15

Serial_No:02041112:27

AIR ANALYSIS

PAGE 2 OF 2

CHAIN OF CUSTODY

ALPHA ANALYTICAL
320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab:

ALPHA Job #: L1101203

Client Information

Client: EA Engineering
Address: 2374 Post Rd
Suite 102
Phone: 401-736-3440
Fax:
Email: rmack@eaest.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez
Project Location: Providence, RI
Project #: 14687.01
Project Manager: Frank Postma
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker: _____
(Default based on Regulatory Criteria Indicated)
Other Formats: _____
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS: TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
1203-08	IMP-2	1-26-11	1122	1207	29.54	0	SV	RM/MT		241	0045			X					4312

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	1/27/11 1109		1/28/11 1605
	1/28/11 1215		1/28/11 17:15

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1102657
Client:	EA Engineering,Science and Technology 2374 Post Road Suite 102 Warwick, RI 02886
ATTN:	Frank Postma
Phone:	(401) 736-3440
Project Name:	ALVAREZ HIGH SCHOOL
Project Number:	14687.01
Report Date:	03/07/11

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1102657-01	MP-3	PROVIDENCE, RI	02/28/11 10:17

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

The canister certification results are provided as an addendum.

Volatile Organics in Air (SIM)
L1102657-01 and WG457449-5 Duplicate have elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. O'Brien Kathleen O'Brien

Title: Technical Director/Representative

Date: 03/07/11

AIR

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

SAMPLE RESULTS

Lab ID: L1102657-01 D
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15-SIM
Analytical Date: 03/05/11 05:24
Analyst: BS

Date Collected: 02/28/11 10:17
Date Received: 02/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.500	--	ND	2.47	--		10
Chloromethane	ND	5.00	--	ND	10.3	--		10
Vinyl chloride	ND	0.200	--	ND	0.511	--		10
Chloroethane	ND	0.200	--	ND	0.527	--		10
Acetone	34.1	20.0	--	80.8	47.5	--		10
Trichlorofluoromethane	ND	0.500	--	ND	2.81	--		10
Acrylonitrile	ND	5.00	--	ND	10.8	--		10
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		10
Methylene chloride	ND	10.0	--	ND	34.7	--		10
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		10
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		10
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		10
2-Butanone	212	5.00	--	625	14.7	--		10
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		10
Chloroform	ND	0.200	--	ND	0.976	--		10
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		10
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Benzene	ND	1.00	--	ND	3.19	--		10
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		10
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		10
Bromodichloromethane	ND	0.200	--	ND	1.34	--		10
Trichloroethene	ND	0.200	--	ND	1.07	--		10
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		10
4-Methyl-2-pentanone	ND	5.00	--	ND	20.5	--		10
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		10

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1102657
Report Date: 03/07/11

SAMPLE RESULTS

Lab ID: L1102657-01 D
Client ID: MP-3
Sample Location: PROVIDENCE, RI
Date Collected: 02/28/11 10:17
Date Received: 02/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		10
Toluene	0.500	0.500	--	1.88	1.88	--		10
Dibromochloromethane	ND	0.200	--	ND	1.70	--		10
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		10
Tetrachloroethene	ND	0.200	--	ND	1.36	--		10
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		10
Chlorobenzene	ND	0.200	--	ND	0.920	--		10
Ethylbenzene	ND	0.200	--	ND	0.868	--		10
p/m-Xylene	ND	0.400	--	ND	1.74	--		10
Bromoform	ND	0.200	--	ND	2.06	--		10
Styrene	ND	0.200	--	ND	0.851	--		10
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		10
o-Xylene	ND	0.200	--	ND	0.868	--		10
Isopropylbenzene	ND	5.00	--	ND	24.6	--		10
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		10
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		10
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
sec-Butylbenzene	ND	5.00	--	ND	27.4	--		10
p-Isopropyltoluene	ND	5.00	--	ND	27.4	--		10
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		10
n-Butylbenzene	ND	5.00	--	ND	27.4	--		10

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01
Lab Number: L1102657
Report Date: 03/07/11

SAMPLE RESULTS

Lab ID: L1102657-01 D
Client ID: MP-3
Sample Location: PROVIDENCE, RI

Date Collected: 02/28/11 10:17
Date Received: 02/28/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	92		60-140

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/04/11 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG457449-4								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15-SIM
Analytical Date: 03/04/11 16:09

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab for sample(s): 01 Batch: WG457449-4								
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG457449-3								
Dichlorodifluoromethane	96		-		70-130	-		25
Chloromethane	84		-		70-130	-		25
Vinyl chloride	93		-		70-130	-		25
Chloroethane	86		-		70-130	-		25
Acetone	95		-		70-130	-		25
Trichlorofluoromethane	93		-		70-130	-		25
Acrylonitrile	85		-		70-130	-		25
1,1-Dichloroethene	88		-		70-130	-		25
Methylene chloride	92		-		70-130	-		25
trans-1,2-Dichloroethene	76		-		70-130	-		25
1,1-Dichloroethane	90		-		70-130	-		25
Methyl tert butyl ether	78		-		70-130	-		25
2-Butanone	93		-		70-130	-		25
cis-1,2-Dichloroethene	80		-		70-130	-		25
Chloroform	91		-		70-130	-		25
1,2-Dichloroethane	83		-		70-130	-		25
1,1,1-Trichloroethane	91		-		70-130	-		25
Benzene	74		-		70-130	-		25
Carbon tetrachloride	96		-		70-130	-		25
1,2-Dichloropropane	86		-		70-130	-		25
Bromodichloromethane	91		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG457449-3								
Trichloroethene	88		-		70-130	-		25
cis-1,3-Dichloropropene	84		-		70-130	-		25
4-Methyl-2-pentanone	102		-		70-130	-		25
trans-1,3-Dichloropropene	72		-		70-130	-		25
1,1,2-Trichloroethane	95		-		70-130	-		25
Toluene	74		-		70-130	-		25
Dibromochloromethane	96		-		70-130	-		25
1,2-Dibromoethane	93		-		70-130	-		25
Tetrachloroethene	95		-		70-130	-		25
1,1,1,2-Tetrachloroethane	96		-		70-130	-		25
Chlorobenzene	92		-		70-130	-		25
Ethylbenzene	82		-		70-130	-		25
p/m-Xylene	92		-		70-130	-		25
Bromoform	97		-		70-130	-		25
Styrene	85		-		70-130	-		25
1,1,2,2-Tetrachloroethane	114		-		70-130	-		25
o-Xylene	95		-		70-130	-		25
Isopropylbenzene	97		-		70-130	-		25
1,3,5-Trimethylbenzene	108		-		70-130	-		25
1,2,4-Trimethylbenzene	114		-		70-130	-		25
1,3-Dichlorobenzene	110		-		70-130	-		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 Batch: WG457449-3								
1,4-Dichlorobenzene	107		-		70-130	-		25
sec-Butylbenzene	110		-		70-130	-		25
p-Isopropyltoluene	101		-		70-130	-		25
1,2-Dichlorobenzene	109		-		70-130	-		25
n-Butylbenzene	111		-		70-130	-		25

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1102657
Report Date: 03/07/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG457449-5 QC Sample: L1102657-01 Client ID: MP-3						
Dichlorodifluoromethane	ND	ND	ppbV	NC		25
Chloromethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Acetone	34.1	35.8	ppbV	5		25
Trichlorofluoromethane	ND	ND	ppbV	NC		25
Acrylonitrile	ND	ND	ppbV	NC		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25
2-Butanone	212	219	ppbV	3		25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC		25
Chloroform	ND	ND	ppbV	NC		25
1,2-Dichloroethane	ND	ND	ppbV	NC		25
1,1,1-Trichloroethane	ND	ND	ppbV	NC		25
Benzene	ND	ND	ppbV	NC		25
Carbon tetrachloride	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG457449-5 QC Sample: L1102657-01 Client ID: MP-3					
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.500	0.500	ppbV	0	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
1,1,1,2-Tetrachloroethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1102657
Report Date: 03/07/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air by SIM - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG457449-5 QC Sample: L1102657-01 Client ID: MP-3					
Isopropylbenzene	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
sec-Butylbenzene	ND	ND	ppbV	NC	25
p-Isopropyltoluene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
n-Butylbenzene	ND	ND	ppbV	NC	25

Project Name: ALVAREZ HIGH SCHOOL **Lab Number:** L1102657

Project Number: 14687.01 **Report Date:** 03/07/11

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L1102657-01	MP-3	0332	#90 SV		-	-	70	73	4
L1102657-01	MP-3	1744	2.7L Can	I1101136	-29.5	-10.0	-	-	-

Air Volatiles Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1101136
Report Date: 03/07/11

Air Canister Certification Results

Lab ID: L1101136-01
Client ID: CAN 1768 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 01/27/11 19:28
Analyst: RY

Date Collected: 01/26/11 00:00
Date Received: 01/26/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.860	--		1
Propane	ND	0.200	--	ND	0.606	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.988	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.776	--		1
Chloroethane	ND	0.200	--	ND	0.527	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.841	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.14	--		1
Acetone	ND	1.00	--	ND	2.37	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.200	--	ND	0.434	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT
Lab Number: L1101136
Report Date: 03/07/11

Air Canister Certification Results

Lab ID: L1101136-01
Client ID: CAN 1768 SHELF 7
Sample Location:

Date Collected: 01/26/11 00:00
Date Received: 01/26/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.622	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.720	--		1
Vinyl acetate	ND	0.200	--	ND	0.704	--		1
2-Butanone	ND	0.200	--	ND	0.589	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.792	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.976	--		1
Tetrahydrofuran	ND	0.200	--	ND	0.589	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.923	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.704	--		1
Diisopropyl ether	ND	0.200	--	ND	0.835	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.835	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.907	--		1
Benzene	ND	0.200	--	ND	0.638	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.835	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.720	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1101136
Report Date: 03/07/11

Air Canister Certification Results

Lab ID: L1101136-01
Client ID: CAN 1768 SHELF 7
Sample Location:

Date Collected: 01/26/11 00:00
Date Received: 01/26/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air (Low Level) - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-1-pentene	ND	0.500	--	ND	2.29	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
4-Methyl-2-pentanone	ND	0.200	--	ND	0.819	--		1
2,4,4-trimethyl-2-pentene	ND	0.500	--	ND	2.29	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.907	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.753	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.923	--		1
2-Hexanone	ND	0.200	--	ND	0.819	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.37	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.920	--		1
Ethylbenzene	ND	0.200	--	ND	0.868	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.06	--		1
Styrene	ND	0.200	--	ND	0.851	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.868	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.20	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.982	--		1
Bromobenzene	ND	0.200	--	ND	1.28	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1101136
Report Date: 03/07/11

Air Canister Certification Results

Lab ID: L1101136-01
Client ID: CAN 1768 SHELF 7
Sample Location:

Date Collected: 01/26/11 00:00
Date Received: 01/26/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
n-Propylbenzene	ND	0.200	--	ND	0.982	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.03	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.982	--		1
1,3,5-Trimethybenzene	ND	0.200	--	ND	0.982	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.982	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.03	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1101136
Report Date: 03/07/11

Air Canister Certification Results

Lab ID: L1101136-01
Client ID: CAN 1768 SHELF 7
Sample Location:

Date Collected: 01/26/11 00:00
Date Received: 01/26/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air (Low Level) - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	86		60-140
Bromochloromethane	93		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1101136
Report Date: 03/07/11

Air Canister Certification Results

Lab ID: L1101136-01
Client ID: CAN 1768 SHELF 7
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 01/27/11 19:28
Analyst: RY

Date Collected: 01/26/11 00:00
Date Received: 01/26/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.050	--	ND	0.247	--		1
Chloromethane	ND	0.500	--	ND	1.03	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	2.00	--	ND	4.75	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.08	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	1.00	--	ND	3.47	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.403	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.020	--	ND	0.072	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1101136
Report Date: 03/07/11

Air Canister Certification Results

Lab ID: L1101136-01
Client ID: CAN 1768 SHELF 7
Sample Location:

Date Collected: 01/26/11 00:00
Date Received: 01/26/11
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.206	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.500	--	ND	2.46	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.500	--	ND	2.74	--		1
p-Isopropyltoluene	ND	0.500	--	ND	2.74	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
n-Butylbenzene	ND	0.500	--	ND	2.74	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1101136
Report Date: 03/07/11

Air Canister Certification Results

Lab ID: L1101136-01
Client ID: CAN 1768 SHELF 7
Sample Location:

Date Collected: 01/26/11 00:00
Date Received: 01/26/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1101136
Report Date: 03/07/11

Air Canister Certification Results

Lab ID: L1101136-01
Client ID: CAN 1768 SHELF 7
Sample Location:

Date Collected: 01/26/11 00:00
Date Received: 01/26/11
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor

Volatile Organics in Air by SIM - Mansfield Lab

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	86		60-140
bromochloromethane	93		60-140
chlorobenzene-d5	92		60-140

AIR Petro Can Certification

Project Name: BATCH CANISTER CERTIFICATION
Lab Number: L1101136
Project Number: CANISTER QC BAT
Report Date: 03/07/11

AIR CAN CERTIFICATION RESULTS

Lab ID:	L1101136-01	Date Collected:	01/26/11 00:00
Client ID:	CAN 1768 SHELF 7	Date Received:	01/26/11
Sample Location:	Not Specified	Field Prep:	Not Specified
Matrix:	Air		
Analytical Method:	96,APH		
Analytical Date:	01/29/11 19:22		
Analyst:	RY		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Petroleum Hydrocarbons in Air - Mansfield Lab						
1,3-Butadiene	ND		ug/m3	2.0	--	1
Methyl tert butyl ether	ND		ug/m3	2.0	--	1
Benzene	ND		ug/m3	2.0	--	1
Toluene	ND		ug/m3	2.0	--	1
C5-C8 Aliphatics, Adjusted	ND		ug/m3	12	--	1
Ethylbenzene	ND		ug/m3	2.0	--	1
p/m-Xylene	ND		ug/m3	4.0	--	1
o-Xylene	ND		ug/m3	2.0	--	1
Naphthalene	ND		ug/m3	2.0	--	1
C9-C12 Aliphatics, Adjusted	ND		ug/m3	14	--	1
C9-C10 Aromatics Total	ND		ug/m3	10	--	1

Project Name: ALVAREZ HIGH SCHOOL
Project Number: 14687.01

Lab Number: L1102657
Report Date: 03/07/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1102657-01A	Canister - 2.7 Liter	N/A	NA		Y	Present/Intact	TO15-SIM(30)

*Values in parentheses indicate holding time in days

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1102657
Project Number:	14687.01	**Report Date:**	03/07/11

GLOSSARY

Acronyms

EPA · Environmental Protection Agency.

LCS · Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD · Laboratory Control Sample Duplicate: Refer to LCS.

MDL · Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS · Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD · Matrix Spike Sample Duplicate: Refer to MS.

NA · Not Applicable.

NC · Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI · Not Ignitable.

RL · Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD · Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A · Spectra identified as "Aldol Condensation Product".

B · The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D · Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E · Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G · The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H · The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I · The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

P · The RPD between the results for the two columns exceeds the method-specified criteria.

Q · The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when

Project Name:	ALVAREZ HIGH SCHOOL	**Lab Number:**	L1102657
Project Number:	14687.01	**Report Date:**	03/07/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised March 3, 2011 – Mansfield Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0141.

Wastewater/Non-Potable Water (Inorganic Parameters: pH, Turbidity, Conductivity, Alkalinity, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, Zinc, Total Residue (Solids), Total Suspended Solids (non-filterable), Total Cyanide. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables, Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, PAHs, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)

Solid Waste/Soil (Inorganic Parameters: pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Organic Carbon, Total Cyanide, Corrosivity, TCLP 1311. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Volatile Organics, Acid Extractables, Benzidines, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Florida Department of Health Certificate/Lab ID: E87814. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, SM2540G.)

Solid & Chemical Materials (Inorganic Parameters: 6020, 7470, 7471, 9045. Organic Parameters: EPA 8260, 8270, 8082, 8081.)

Air & Emissions (EPA TO-15.)

Louisiana Department of Environmental Quality Certificate/Lab ID: 03090. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA 180.1, 245.7, 1631E, 3020, 6020A, 7470A, 9040, 9050A, SM2320B, 2540D, 2540G, 4500H-B, Organic Parameters: EPA 3510C, 3580A, 3630C, 3640A, 3660B, 3665A, 5030B, 8015D, 3570, 8081B, 8082A, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: EPA 1311, 3050, 3051A, 3060A, 6020A, 7196A, 7470A, 7471B, 7474, 9040B, 9045C, 9060. Organic Parameters: EPA 3540C, 3570B, 3580A, 3630C, 3640A, 3660, 3665A, 5035, 8015D, 8081B, 8082A, 8260B, 8270C.)

Biological Tissue (Inorganic Parameters: EPA 6020A. Organic Parameters: EPA 3570, 3510C, 3610B, 3630C, 3640A, 8270C.)

Air & Emissions (EPA TO-15.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 2206. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: EPA, 245.1, 245.7, 1631E, 180.1, 6020A, 7470A, 9040B, 9050A, SM2540D, 2540G, 4500H+B, 2320B. Organic Parameters: EPA 8081, 8082, 8260B, 8270C.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 1311, 1312, 3050B, 3051A, 3060A, 6020A, 7470A, 7471A, 9040B, 9045C, 7196A. Organic Parameters: SW-846 3540C, 3580, 3630C, 3640A, 3660B, 3665A, 5035, 8260B, 8270C, 8015D, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA015. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SW-846 1312, 3010, 3020A, 3015, SM2320B, EPA 200.8, SM2540D, 2540G, EPA 120.1, SM2510B, EPA 180.1, 245.1, 1631E, SW-846 7470A, 9040B, 6020, 9010B, 9014 Organic Parameters: SW-846 3510C, 3580A, 5030B, 5035L, 5035H, 3630C, 3640C, 3660B, 3665A, 8015B 8081A, 8082, 8260B, 8270C)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6020, 9010B, 9014, 1311, 1312, 3050B, 3051, 3060A, 7196A, 7470A, 7471A, 9040B, 9045C, 9060. Organic Parameters: SW-846 3540C, 3570, 3580A, 5030B, 5035L, 5035H, 3630C, 3640A, 3660B, 3665A, 8081A, 8082, 8260B, 8270C, 8015B.)

Atmospheric Organic Parameters (EPA TO-15)

Biological Tissue (Inorganic Parameters: SW-846 6020 Organic Parameters: SW-846 8270C, 3510C, 3570, 3630C, 3640A)

New York Department of Health Certificate/Lab ID: 11627. ***NELAP Accredited.***

Non-Potable Water (Inorganic Parameters: SM2320B, SM2540D, EPA 200.8, 6020, 1631E, 245.1, 9014, 9040B, 120.1, SM2510B, 4500CN-E, 4500H-B, EPA 376.2, 180.1, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8082, 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 6020, 7196A, 3060A, 7471A, 7474, 9014, 9040B, 9045C, 9010B. Organic Parameters: EPA 8260B, 8270C, 8081A, DRO 8015B, 8082, 1311, 1312, 3050B, 3580, 3570, 3051, 5035, 5030B.)

Air & Emissions (EPA TO-15.)

Rhode Island Department of Health Certificate/Lab ID: LAO00299. ***NELAP Accredited via LA-DEQ.***

Refer to LA-DEQ Certificate for Non-Potable Water.

Texas Commission of Environmental Quality Certificate/Lab ID: T104704419-08-TX. ***NELAP Accredited.***

Solid & Chemical Materials (Inorganic Parameters: EPA 6020, 7470, 7471, 1311, 7196, 9014, 9040, 9045, 9060. Organic Parameters: EPA 8015, 8270, 8260, 8081, 8082.)

Air (Organic Parameters: EPA TO-15)

Washington State Department of Ecology Certificate/Lab ID: C954. *Non-Potable Water* (Inorganic Parameters: SM2540D, 2510B, EPA 120.1, 180.1, 1631E, 245.7.)

Solid & Chemical Materials (Inorganic Parameters: EPA 9040, 9060, 6020, 7470, 7471, 7474. Organic Parameters: EPA 8081, 8082, 8015 Mod, 8270, 8260.)

U.S. Army Corps of Engineers

Department of Defense Certificate/Lab ID: L2217.01.

Non-Potable Water (Inorganic Parameters: EPA 6020A, SM4500H-B. Organic Parameters: 3020A, 3510C, 5030B, 8260B, 8270C, 8270C-ALK-PAH, 8082, 8081A, 8015D-SHC.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 3050B, 6020A, 7471A, 9045C, 9060, SM 2540G, ASTM D422-63. Organic Parameters: EPA 3580A, 3570, 3540C, 5035A, 8260B, 8270C, 8270-ALK-PAH, 8082, 8081A, 8015D-SHC, 8015-DRO.

Air & Emissions (EPA TO-15.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **8270C:** Biphenyl.

AIR ANALYSIS

PAGE 1 OF 1

ALPHA ANALYTICAL — CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd In Lab:

ALPHA Job #: L1102657

Client Information

Client: EA Engineering
Address: 2374 Post Road
Suite 102
Phone: 401-736-3440
Fax: 401-736-3423
Email: rmack@eaest.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Alvarez
Project Location: Providence, RI
Project #: 14687.01
Project Manager: Frank Postma
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☑ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	ANALYSIS TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
2657-01	MP-3	2/28/11	0950	1017			SV	PT	2.7L	1744	0332			X					4.3 ppm

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time:
	2/28/11 1440		2/28/11 1440
	2/28/11 1605		2/28/11 1605

(rev. 19-Jun-09)

Appendix D

Rooftop Effluent Analytical Summary

Alvarez School - Sub Slab Depressurization System Emissions Calculations

Sample Date - 16 July 2010

Volatile Organic Compounds	ROOFTOP FAN 1 (Measured air flow = 108 cubic feet per minute)				ROOFTOP FAN 2 (Measured air flow = 190 cubic feet per minute)				ROOFTOP FAN 3 (Measured air flow = 124 cubic feet per minute)				CUMULATIVE EMISSIONS (3 fans combined)		
	Concentration (ug/m^3)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m^3)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Concentration (ug/m^3)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)	Hourly Emission (lbs/hour)	Daily Emission (lbs/day)	Yearly Emission (lbs/year)
1,1,1,2-Tetrachloroethane	0.137 U	6.20E-08	1.49E-06	5.43E-04	0.137 U	3.74E-08	8.97E-07	3.27E-04	0.137 U	5.56E-08	1.33E-06	4.87E-04	1.55E-07	3.72E-06	1.36E-03
1,1,1-Trichloroethane	2.870	1.30E-06	3.12E-05	1.14E-02	1.54	4.20E-07	1.01E-05	3.68E-03	0.949	3.85E-07	9.24E-06	3.37E-03	2.10E-06	5.05E-05	1.84E-02
1,1,2,2-Tetrachloroethane	0.137 U	6.20E-08	1.49E-06	5.43E-04	0.137 U	3.74E-08	8.97E-07	3.27E-04	0.137 U	5.56E-08	1.33E-06	4.87E-04	1.55E-07	3.72E-06	1.36E-03
1,1,2-Trichloroethane	0.109 U	4.93E-08	1.18E-06	4.32E-04	0.109 U	2.97E-08	7.13E-07	2.60E-04	0.109 U	4.42E-08	1.06E-06	3.87E-04	1.23E-07	2.96E-06	1.08E-03
1,1-Dichloroethane	0.109	4.93E-08	1.18E-06	4.32E-04	0.081 U	2.21E-08	5.30E-07	1.93E-04	0.081 U	3.29E-08	7.88E-07	2.88E-04	1.04E-07	2.50E-06	9.14E-04
1,1-Dichloroethene	0.079 U	3.58E-08	8.58E-07	3.13E-04	0.079 U	2.15E-08	5.17E-07	1.89E-04	0.079 U	3.20E-08	7.69E-07	2.81E-04	8.93E-08	2.14E-06	7.83E-04
1,2,4-Trimethylbenzene	2.660	1.20E-06	2.89E-05	1.05E-02	2.63	7.17E-07	1.72E-05	6.28E-03	1.96	7.95E-07	1.91E-05	6.96E-03	2.72E-06	6.52E-05	2.38E-02
1,2-Dibromoethane	0.154 U	6.97E-08	1.67E-06	6.11E-04	0.154 U	4.20E-08	1.01E-06	3.68E-04	0.154 U	6.25E-08	1.50E-06	5.47E-04	1.74E-07	4.18E-06	1.53E-03
1,2-Dichlorobenzene	0.120 U	5.43E-08	1.30E-06	4.76E-04	0.120 U	3.27E-08	7.85E-07	2.87E-04	0.120 U	4.87E-08	1.17E-06	4.26E-04	1.36E-07	3.26E-06	1.19E-03
1,2-Dichloroethane	0.109	4.93E-08	1.18E-06	4.32E-04	0.081 U	2.21E-08	5.30E-07	1.93E-04	0.081 U	3.29E-08	7.88E-07	2.88E-04	1.04E-07	2.50E-06	9.14E-04
1,2-Dichloropropane	0.092 U	4.16E-08	1.00E-06	3.65E-04	0.092 U	2.51E-08	6.02E-07	2.20E-04	0.092 U	3.73E-08	8.96E-07	3.27E-04	1.04E-07	2.50E-06	9.11E-04
1,3,5-Trimethylbenzene	0.727	3.29E-07	7.90E-06	2.88E-03	0.673	1.84E-07	4.40E-06	1.61E-03	0.555	2.25E-07	5.40E-06	1.97E-03	7.38E-07	1.77E-05	6.46E-03
1,3-Dichlorobenzene	0.120 U	5.43E-08	1.30E-06	4.76E-04	0.120 U	3.27E-08	7.85E-07	2.87E-04	0.120 U	4.87E-08	1.17E-06	4.26E-04	1.36E-07	3.26E-06	1.19E-03
1,4-Dichlorobenzene	1.180	5.34E-07	1.28E-05	4.68E-03	1.32	3.60E-07	8.64E-06	3.15E-03	0.721	2.92E-07	7.02E-06	2.56E-03	1.19E-06	2.85E-05	1.04E-02
2-Butanone	10.000	4.53E-06	1.09E-04	3.97E-02	4.99 U	1.36E-06	3.27E-05	1.19E-02	1.71	6.94E-07	1.66E-05	6.08E-03	6.58E-06	1.58E-04	5.77E-02
4-Methyl-2-pentanone	2.050 U	9.28E-07	2.23E-05	8.13E-03	2.05 U	5.59E-07	1.34E-05	4.90E-03	2.05 U	8.31E-07	2.00E-05	7.28E-03	2.32E-06	5.56E-05	2.03E-02
Acetone	62.000	2.81E-05	6.74E-04	2.46E-01	41.6	1.13E-05	2.72E-04	9.94E-02	15.1	6.12E-06	1.47E-04	5.37E-02	4.55E-05	1.09E-03	3.99E-01
Acrylonitrile	1.080 U	4.89E-07	1.17E-05	4.28E-03	1.08 U	2.94E-07	7.07E-06	2.58E-03	1.08 U	4.38E-07	1.05E-05	3.84E-03	1.22E-06	2.93E-05	1.07E-02
Benzene	0.370	1.67E-07	4.02E-06	1.47E-03	0.319	8.70E-08	2.09E-06	7.62E-04	0.319 U	1.29E-07	3.11E-06	1.13E-03	3.84E-07	9.21E-06	3.36E-03
Bromodichloromethane	0.134 U	6.07E-08	1.46E-06	5.31E-04	0.134 U	3.65E-08	8.77E-07	3.20E-04	0.134 U	5.44E-08	1.30E-06	4.76E-04	1.52E-07	3.64E-06	1.33E-03
Bromoform	0.206 U	9.33E-08	2.24E-06	8.17E-04	0.206 U	5.62E-08	1.35E-06	4.92E-04	0.206 U	8.36E-08	2.01E-06	7.32E-04	2.33E-07	5.59E-06	2.04E-03
Carbon tetrachloride	0.597	2.70E-07	6.49E-06	2.37E-03	0.459	1.25E-07	3.00E-06	1.10E-03	0.471	1.91E-07	4.58E-06	1.67E-03	5.86E-07	1.41E-05	5.14E-03
Chlorobenzene	0.092 U	4.16E-08	1.00E-06	3.65E-04	0.092 U	2.51E-08	6.02E-07	2.20E-04	0.092 U	3.73E-08	8.96E-07	3.27E-04	1.04E-07	2.50E-06	9.11E-04
Chloroethane	0.066	2.99E-08	7.17E-07	2.62E-04	0.15	4.09E-08	9.82E-07	3.58E-04	0.053 U	2.15E-08	5.16E-07	1.88E-04	9.23E-08	2.21E-06	8.08E-04
Chloroform	0.385	1.74E-07	4.18E-06	1.53E-03	0.454	1.24E-07	2.97E-06	1.08E-03	0.532	2.16E-07	5.18E-06	1.89E-03	5.14E-07	1.23E-05	4.50E-03
Chloromethane	1.310	5.93E-07	1.42E-05	5.20E-03	1.03 U	2.81E-07	6.74E-06	2.46E-03	1.03 U	4.18E-07	1.00E-05	3.66E-03	1.29E-06	3.10E-05	1.13E-02
cis-1,2-Dichloroethene	0.131	5.93E-08	1.42E-06	5.20E-04	0.079 U	2.15E-08	5.17E-07	1.89E-04	0.083 U	3.37E-08	8.08E-07	2.95E-04	1.15E-07	2.75E-06	1.00E-03
cis-1,3-Dichloropropene	0.091 U	4.12E-08	9.89E-07	3.61E-04	0.091 U	2.48E-08	5.96E-07	2.17E-04	0.091 U	3.69E-08	8.86E-07	3.23E-04	1.03E-07	2.47E-06	9.02E-04
Dibromochloromethane	0.170 U	7.70E-08	1.85E-06	6.74E-04	0.17 U	4.64E-08	1.11E-06	4.06E-04	0.17 U	6.90E-08	1.65E-06	6.04E-04	1.92E-07	4.61E-06	1.68E-03
Dichlorodifluoromethane	3.840	1.74E-06	4.17E-05	1.52E-02	2.46	6.71E-07	1.61E-05	5.88E-03	2.25	9.13E-07	2.19E-05	7.99E-03	3.32E-06	7.97E-05	2.91E-02
Ethylbenzene	0.547	2.48E-07	5.94E-06	2.17E-03	0.425	1.16E-07	2.78E-06	1.02E-03	1.04	4.22E-07	1.01E-05	3.70E-03	7.85E-07	1.88E-05	6.88E-03
Isopropylbenzene	2.460 U	1.11E-06	2.67E-05	9.76E-03	2.46 U	6.71E-07	1.61E-05	5.88E-03	2.46 U	9.98E-07	2.39E-05	8.74E-03	2.78E-06	6.68E-05	2.44E-02
Methyl tert butyl ether	0.072 U	3.26E-08	7.82E-07	2.86E-04	0.072 U	1.96E-08	4.71E-07	1.72E-04	0.072 U	2.92E-08	7.01E-07	2.56E-04	8.14E-08	1.95E-06	7.13E-04
Methylene chloride	18.300 U	8.28E-06	1.99E-04	7.26E-02	16.9 U	4.61E-06	1.11E-04	4.04E-02	17.7 U	7.18E-06	1.72E-04	6.29E-02	2.01E-05	4.82E-04	1.76E-01
n-Butylbenzene	2.740 U	1.24E-06	2.98E-05	1.09E-02	2.74 U	7.47E-07	1.79E-05	6.54E-03	2.74 U	1.11E-06	2.67E-05	9.74E-03	3.10E-06	7.44E-05	2.71E-02
o-Xylene	0.698	3.16E-07	7.58E-06	2.77E-03	0.586	1.60E-07	3.83E-06	1.40E-03	0.482	1.95E-07	4.69E-06	1.71E-03	6.71E-07	1.61E-05	5.88E-03
p-Isopropyltoluene	2.740 U	1.24E-06	2.98E-05	1.09E-02	2.74 U	7.47E-07	1.79E-05	6.54E-03	2.74 U	1.11E-06	2.67E-05	9.74E-03	3.10E-06	7.44E-05	2.71E-02
p/m-Xylene	1.640	7.42E-07	1.78E-05	6.50E-03	1.5	4.09E-07	9.82E-06	3.58E-03	2.11	8.56E-07	2.05E-05	7.50E-03	2.01E-06	4.82E-05	1.76E-02
sec-Butylbenzene	2.740 U	1.24E-06	2.98E-05	1.09E-02	2.74 U	7.47E-07	1.79E-05	6.54E-03	2.74 U	1.11E-06	2.67E-05	9.74E-03	3.10E-06	7.44E-05	2.71E-02
Styrene	0.332	1.50E-07	3.61E-06	1.32E-03	0.289	7.88E-08	1.89E-06	6.90E-04	0.098	3.97E-08	9.54E-07	3.48E-04	2.69E-07	6.45E-06	2.36E-03
Tetrachloroethene	34.800	1.58E-05	3.78E-04	1.38E-01	16.5	4.50E-06	1.08E-04	3.94E-02	80.2	3.25E-05	7.81E-04	2.85E-01	5.28E-05	1.27E-03	4.62E-01
Toluene	1.810	8.19E-07	1.97E-05	7.18E-03	1.13	3.08E-07	7.39E-06	2.70E-03	1.42	5.76E-07	1.38E-05	5.05E-03	1.70E-06	4.09E-05	1.49E-02
trans-1,2-Dichloroethene	0.079 U	3.58E-08	8.58E-07	3.13E-04	0.079 U	2.15E-08	5.17E-07	1.89E-04	0.079 U	3.20E-08	7.69E-07	2.81E-04	8.93E-08	2.14E-06	7.83E-04
trans-1,3-Dichloropropene	0.091 U	4.12E-08	9.89E-07	3.61E-04	0.091 U	2.48E-08	5.96E-07	2.17E-04	0.091 U	3.69E-08	8.86E-07	3.23E-04	1.03E-07	2.47E-06	9.02E-04
Trichloroethene	112.000	5.07E-05	1.22E-03	4.44E-01	90.6	2.47E-05	5.93E-04	2.16E-01	32	1.30E-05	3.12E-04	1.14E-01	8.84E-05	2.12E-03	7.74E-01
Trichlorofluoromethane	78.400	3.55E-05	8.52E-04	3.11E-01	131	3.57E-05	8.57E-04	3.13E-01	14.3	5.80E-06	1.39E-04	5.08E-02	7.70E-05	1.85E-03	6.75E-01
Vinyl chloride	0.051 U	2.31E-08	5.54E-07	2.02E-04	0.051 U	1.39E-08	3.34E-07	1.22E-04	0.051 U	2.07E-08	4.96E-07	1.81E-04	5.77E-08	1.38E-06	5.05E-04
Total VOCs	3.51E+02	Not Applicable	Not Applicable	1.24E+00	3.32E+02	Not Applicable	Not Applicable	2.07E+00	1.91E+02	Not Applicable	Not Applicable	7.75E-01	Not Applicable	Not Applicable	2.86E+00
RIDEM Air Pollution Control Permit Applicability Thresholds (lbs) *		**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**	**Not Applicable**	**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**	**Not Applicable**	**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**	**10**	**100**	**20,000 (Individual VOCs) 50,000 (Total VOCs)**

U : indicates that chemical was not detected by the laboratory. To be conservative, the reporting limit shown in the concentration column was used in the emissions calculations.

Hourly Emissions (lbs/hour) = VOC concentration (ug/m^3) x measured flow rate (cfm) x 0.02832 m^3/ft^3 x 60 min/hour x 0.001 mg/ug x 0.001 g/mg x 0.0022 lb/g.

Daily Emissions (lbs/day) = Hourly Emissions x 24 hours/day.

Yearly Emissions (lbs/year) = Daily Emissions x 365 days/year.

* RIDEM Air Pollution Control Regulation No. 9 [August 1971, Amended April 2004].

Appendix E

Laboratory Reporting Limits Correspondence

ALPHA ANALYTICAL

February 11, 2011

To: Ron Mack
EA Engineering, Science, & Technology
2350 Post Road
Warwick, RI 02886

From: Katie O'Brien
Alpha Analytical
320 Forbes Blvd
Mansfield, MA 01581

Re: TO15 SIM Reporting Limits

Dear Ron,

As we communicated prior to the TO-15 SIM analyses completed for the Alvarez High School air samples collected on January 26, 2011; the SIM Reporting Limits achieved for the following compounds are the lowest that we can currently achieve at Alpha. Please note that these reporting limits are above the Draft Proposed CT RSR (Residential) Criteria for these compounds:

1,2-Dichloroethane SIM RL = 0.08 ug/m3
Ethylene Dibromide (a.k.a. 1,2-Dibromoethane) SIM RL = 0.15 ug/m3
1,1,1,2- Tetrachloroethane SIM RL = 0.14 ug/m3
1,1,2,2-Tetrachloroethane SIM RL = 0.14 ug/m3
Bromodichloromethane SIM RL = 0.13 ug/m3

Please don't hesitate to contact me at 508-844-4156 if you have any questions.

Best Regards,

Katie O'Brien

APPENDIX F

Alpha HVAC Letter
9 February 2011

November 9, 2010

Frank Postma
EA Engineering, Science & Technology
2374 Post Road
Warwick, RI 02886

RE: Methylene Chloride reported for L1010918 & L1016363

Frank;

Per your discussion with Joe Foley (sales representative, Alpha Analytical), you had questioned detections of methylene chloride in the laboratory reports recently issued by Alpha, job# L1010918 and L1016363. Methylene Chloride is indeed used in the facility in the organic preparation lab to perform extractions for semivolatile analyses, and we have put a number of controls in place to eliminate any contamination of air samples due to the use of this compound in the facility.

- The laboratory areas in which canisters are cleaned, prepared for shipment, and analyzed is kept under positive pressure to control air from the prep lab infiltrating the canister preparation room and air analysis laboratory.

- The opening of canisters is minimized, and only done in the rooms under positive pressure to avoid potential impacts of laboratory air.

With these controls in place, however, we have observed an increase in detection of methylene chloride in samples over the past few months. The standard laboratory quality control analyses, i.e. method blanks, have not detected this compound at significant levels, and therefore we have no reason, other than intuition, to question the methylene chloride results. In addition, we will be making a significant investment (i.e. $250K) in HVAC controls by the end of this year in order to further reduce any potential for methylene chloride contamination.

If it is of any assistance, Alpha has agreed to provide analytical services at no additional cost for any re-sampling needed to confirm the presence of this compound. If you have any questions, or would like to discuss this matter further, please feel free to contact myself or Joe Foley.

Regards,

Andy Rezendes
Product Line Manager-Air Testing
Alpha Analytical, Inc.
508-844-4181 direct line

APPENDIX G

RIDEM Air Resources Comment Letter
28 February 2011

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
235 Promenade Street, Providence, RI 02908-5767 TDD 401-222-4462

INTEROFFICE MEMO

TO: Joseph Martella, Sr. Sanitary Engineer DATE: 28 Feb. 2011
RI Department of Environmental Management
Office of Waste Management

FROM: Barbara Morin, Supervising Environmental Scientist BMM
RI Department of Environmental Management
Office of Air Resources

SUBJECT: Alvarez High School Air Samples

As you are aware, the Office of Air Resources (OAR) collected air samples at the Alvarez High School, 333 Adelaide Ave., Providence on January 26, 2011. Thirty minute samples were collected in evacuated canisters beginning at 7:39 AM at three locations inside the school: in the gymnasium, in the library classroom and in the cafeteria. A sample was also collected concurrently outside the building. The OAR canisters were co-located with EA samplers in order to verify the results of EA's samples.

The OAR results, in units of ppb and $\mu g/m^3$, are attached. Note that outdoor air pollutant levels were elevated throughout the Providence metropolitan area on January 26th, and this occurrence of dirty air was reflected in elevated levels of certain pollutants in both the indoor and outdoor samples. However, since the indoor and outdoor levels of most of the pollutants measured, including the chlorinated solvents associated with this site, were similar, there is no indication that vapor intrusion or other site-specific sources had a significant impact on indoor levels. Note in particular that methylene chloride levels in the indoor and outdoor samples were similar. This finding is not consistent with the elevated levels of methylene chloride seen in some of the EA samples taken on January 26th and on previous sampling days and indicates that some of the sampling devices used by EA may be contaminated with methylene chloride.

If you have any questions, feel free to contact me.