VOLATILE CONTINUING CALIBRATION CHECK

EPA Method 8260A

Lab Name: Associated Labs Contract:

Lab Code: # 7 Case No.: SAS No.: SDG No.:

Instrument ID: GCMS #7 Continuing Cal. Sample Date: 10/17/2012 Time: 2:47

Initial Cal. Sample Date: 10/10/2012 10/10/2012

Initial Cal. Sample Time: 14:21 19:39

Initial Calibration File: C:\VarianWS\Data\7Jul12\7Jul121155.SMS

Lab File ID: c:\varianws\data\8oct12\8Oct121452.SMS

RRF = (Area(sample)/Amount(sample))/(Area(standard)/Amount(standard))

Compound	RRF	MinRRF	Ci	Cc	% D	Max %D
Dichlorodifluoromethane	0.385	0.100	25.00	21.34	14.6	20.0
Chloromethane	0.116	0.100	25.00	23.27	6.9	20.0
Vinyl Chloride	0.348	0.100	25.00	22.67	9.3	20.0
Bromomethane	0.113	0.100	25.00	31.48	-25.9	20.0
Chloroethane	0.024	0.100	25.00	21.63	13.5	20.0
Trichlorofluoromethane	0.891	0.100	25.00	25.94	-3.8	20.0
Ethyl ether	0.095	0.100	25.00	23.99	4.1	20.0
Trichlorotrifluoroethane (Freon 113)	0.636	0.100	25.00	23.98	4.1	20.0
1,1-Dichloroethene	0.957	0.100	25.00	22.92	8.3	20.0
Acrolein	0.000	0.100	25.00	0.00	100.0	20.0
Acetone	0.030	0.100	25.00	24.01	4.0	20.0
Iodomethane	0.573	0.100	25.00	25.51	-2.0	20.0
Carbon disulfide	0.496	0.100	25.00	21.62	13.5	20.0
Acetonitrile	0.478	0.100	25.00	21.24	15.0	20.0
Allyl chloride	0.964	0.100	25.00	22.51	10.0	20.0
Isopropyl alcohol (2-Propanol)	0.000	0.100	25.00	0.00	100.0	20.0
Methylene Chloride	0.444	0.100	25.00	20.34	18.7	20.0
tert-Butanol	0.010	0.100	125.00	125.11	-0.1	20.0
Methyl-tert-butyl-ether (MTBE)	0.285	0.100	25.00	21.63	13.5	20.0
t-1,2-Dichloroethene	0.744	0.100	25.00	22.10	11.6	20.0
Acrylonitrile	0.015	0.100	25.00	24.42	2.3	20.0
n-Hexane	0.918	0.100	25.00	24.15	3.4	20.0
1,1-Dichloroethane	0.487	0.100	25.00	22.42	10.3	20.0
Isopropyl ether	0.732	0.100	25.00	22.95	8.2	20.0
Chloroprene	0.553	0.100	25.00	22.69	9.2	20.0
Vinyl acetate	0.000	0.100	25.00	0.00	100.0	20.0
Ethyl-tert-butyl-ether	0.729	0.100	25.00	23.77	4.9	20.0
2,2-Dichloropropane	0.349	0.100	25.00	21.92	12.3	20.0
c-1,2-Dichloroethene	0.255	0.100	25.00	22.25	11.0	20.0
2-Butanone (MEK)	0.033	0.100	25.00	21.58	13.7	20.0
Propionitrile	0.035	0.100	25.00	19.31	22.8	20.0
Bromochloromethane	0.306	0.100	25.00	22.79	8.8	20.0
Methacrylonitrile	0.000	0.100	25.00	0.00	100.0	20.0
Chloroform	0.762	0.100	25.00	22.24	11.0	20.0
1,1,1-Trichloroethane	1.034	0.100	25.00	23.49	6.0	20.0
Dibromofluoromethane (Surr1)	0.171	0.100	25.00	23.72	5.1	20.0

Compound	RRF	MinRRF	Ci	Cc	% D	Max %D
Carbon Tetrachloride	0.899	0.100	25.00	24.10	3.6	20.0
1,1-Dichloropropene	0.299	0.100	25.00	22.58	9.7	20.0
Isobutyl alcohol	0.000	0.100	25.00	0.00	100.0	20.0
1,2-Dichloroethane-d4 (Surr2)	0.174	0.100	25.00	21.62	13.5	20.0
Benzene	0.766	0.100	25.00	22.18	11.3	20.0
1,2-Dichloroethane	0.355	0.100	25.00	22.10	11.6	20.0
tert-Amyl-methyl-ether	0.649	0.100	25.00	22.06	11.8	20.0
Trichloroethene	1.098	0.100	25.00	23.16	7.4	20.0
1,2-Dichloropropane	0.283	0.100	25.00	22.53	9.9	20.0
Methyl methacrylate	0.276	0.100	25.00	20.89	16.4	20.0
1,4-Dioxane	0.000	0.100	25.00	0.00	100.0	20.0
Dibromomethane	0.297	0.100	25.00	24.50	2.0	20.0
Bromodichloromethane	0.608	0.100	25.00	22.92	8.3	20.0
2-Chloroethyl vinyl ether	0.129	0.100	25.00	22.97	8.1	20.0
c-1,3-Dichloropropene	0.746	0.100	25.00	21.99	12.1	20.0
4-Methyl-2-pentanone	0.178	0.100	25.00	23.35	6.6	20.0
Toluene-d8 (Surr3)	1.409	0.100	25.00	24.47	2.1	20.0
Toluene	3.492	0.100	25.00	24.47	2.1	20.0
t-1,3-Dichloropropene	0.294	0.100	25.00	22.51	10.0	20.0
Ethyl methacrylate	0.129	0.100	25.00	24.02	3.9	20.0
1,1,2-Trichloroethane	0.310	0.100	25.00	23.27	6.9	20.0
Tetrachloroethene	0.136	0.100	25.00	23.77	4.9	20.0
1,3-Dichloropropane	0.446	0.100	25.00	21.93	12.3	20.0
2-Hexanone	0.126	0.100	25.00	21.10	15.6	20.0
Dibromochloromethane	0.357	0.100	25.00	23.15	7.4	20.0
1,2-Dibromoethane	0.388	0.100	25.00	23.02	7.9	20.0
1-Chlorohexane	0.000	0.100	25.00	0.00	100.0	20.0
Chlorobenzene	2.014	0.100	25.00	24.72	1.1	20.0
Ethylbenzene	7.631	0.100	25.00	23.21	7.2	20.0
1,1,1,2-Tetrachloroethane	1.773	0.100	25.00	23.86	4.5	20.0
p,m-Xylenes	8.058	0.100	50.00	48.84	2.3	20.0
o-Xylene	7.516	0.100	25.00	24.04	3.9	20.0
Styrene	4.112	0.100	25.00	23.36	6.6	20.0
Bromoform	0.422	0.100	25.00	21.84	12.6	20.0
Isopropylbenzene	8.628	0.100	25.00	23.85	4.6	20.0
p-Bromofluorobenzene (Surr4)	1.282	0.100	25.00	24.80	0.8	20.0
1,1,2,2-Tetrachloroethane	0.497	0.100	25.00	19.99	20.0	20.0
1,2,3-Trichloropropane	0.382	0.100	25.00	21.66	13.4	20.0
trans-1,4-Dichloro-2-butene	0.453	0.100	25.00	21.99	12.0	20.0
cis-1,4-Dichloro-2-butene	0.326	0.100	25.00	20.22	19.1	20.0
Bromobenzene	2.659	0.100	25.00	22.28	10.9	20.0
n-Propylbenzene	10.089	0.100	25.00	24.56	1.8	20.0
2-Chlorotoluene	6.403	0.100	25.00	24.07	3.7	20.0
1,3,5-Trimethylbenzene	9.529	0.100	25.00	22.72	9.1	20.0
4-Chlorotoluene	6.265	0.100	25.00	24.30	2.8	20.0
tert-Butylbenzene	11.657	0.100	25.00	23.55	5.8	20.0
1,2,4-Trimethylbenzene	8.587	0.100	25.00	22.52	9.9	20.0
Pentachloroethane	0.428	0.100	25.00	20.78	16.9	20.0
sec-Butylbenzene	9.600	0.100	25.00	23.88	4.5	20.0
4-Isopropyltoluene	7.377	0.100	25.00	24.84	0.6	20.0

Compound	RRF	MinRRF	Ci	Cc	% D	Max %D
1,3-Dichlorobenzene	3.850	0.100	25.00	22.57	9.7	20.0
1,4-Dichlorobenzene	3.468	0.100	25.00	22.85	8.6	20.0
Benzyl Chloride	0.000	0.100	25.00	0.00	100.0	20.0
n-Butylbenzene	7.787	0.100	25.00	23.37	6.5	20.0
1,2-Dichlorobenzene	3.171	0.100	25.00	22.81	8.7	20.0
1,2-Dibromo-3-chloropropane	0.209	0.100	25.00	21.36	14.6	20.0
1,2,4-Trichlorobenzene	2.433	0.100	25.00	22.39	10.4	20.0
Hexachlorobutadiene	1.639	0.100	25.00	24.31	2.8	20.0
Naphthalene	1.269	0.100	25.00	22.15	11.4	20.0
1,2,3-Trichlorobenzene	2.173	0.100	25.00	22.92	8.3	20.0

CONFIDENTIAL

WATER VOLATILE SURROGATE RECOVERY

EPA Method 8260A

Lab Name: Associated Labs Contract:

Lab Code: # 8 Case No.: SAS No: SDG No:

EPA Sample N	S1 #	S2 #	S3 #	S4 #	TOTAL OUT
8Oct121435	121	155 *	100	100 *	2
8Oct121436	93	87	101	102	0
8Oct121437	94	88	99	102	0
8Oct121438	98	98	102	101	0
8Oct121439	96	96	103	102	0
8Oct121440	97	95	102	101	0
8Oct121441	94	95	102	101	0
8Oct121442	97	97	102	100	0
8Oct121443	96	95	102	102	0
8Oct121444	98	98	103	101	0
8Oct121445	94	95	102	98	0
8Oct121446	93	91	101	98	0
8Oct121447	96	96	102	98	0
8Oct121448	94	91	101	100	0
8Oct121449	94	86	96	98	0
8Oct121450	93	85	99	98	0
8Oct121451	115	147 *	107	092 *	2
8Oct121452	95	86	98	99	0
8Oct121453	94	83	98	98	0
8Oct121454	92	91	101	97	0
8Oct121455	94	93	101	97	0

ALAB: 00252

LMC-PET-00000657

EPA Sample N	S1 #	S2 #	S3 #	S4 #	TOTAL OUT
8Oct121456	96	98	100	97	0
8Oct121457	96	97	100	98	0
8Oct121458	94	95	101	95	0
8Oct121459	91	93	101	97	0
8Oct121460	91	93	100	97	0
8Oct121461	94	95	97	97	0
8Oct121462	94	95	100	97	0
8Oct121463	93	90	101	98	0
8Oct121464	92	95	100	100	0
8Oct121465	94	95	100	98	0
8Oct121466	95	85	100	101	0
8Oct121467	96	99	106	104	0
8Oct121468	92	94	101	97	0
8Oct121469	96	85	97	99	0
Replicates:	35	35	35	35	
Average:	96	96	101	213	
StdDev:	6	15	2	470	

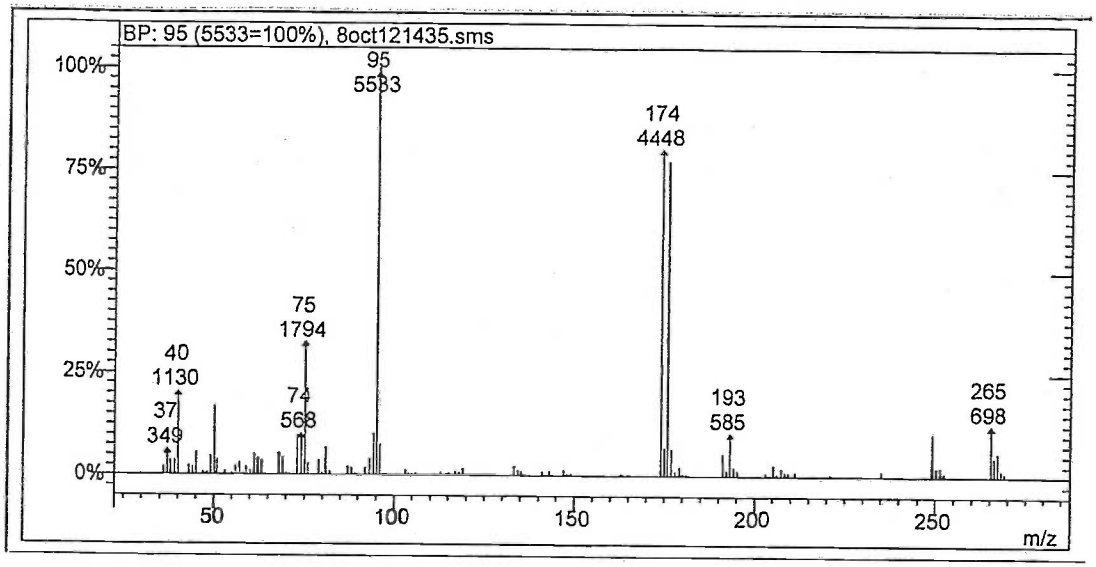
		QC Limits
S 1	= Dibromofluoromethane (Surr1)	(70 - 135)
S 2	= 1,2-Dichloroethane-d4 (Surr2)	(70 - 135)
S 3	= Toluene-d8 (Surr3)	(70 - 135)
S 4	= p-Bromofluorobenzene (Surr4)	(70 - 135)

Column to be used to flag recovery values.

* Values outside of contract required QC Limits

D System Monitoring Compound diluted out

BFB 8260B Report



Lab File ID 8oct121435.sms

Injection Date: 10/16/2012

Injection Time: 13:41

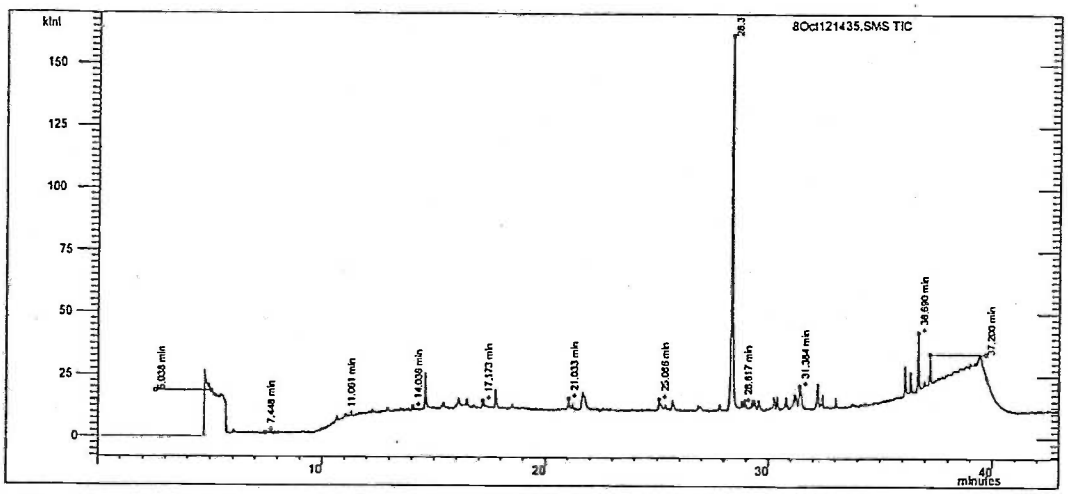
m/z	Acceptance Criterion	Value	Pass/Fail
50	15-40% of m/z 95	16.79	PASS
75	30-60% of m/z 95	32.42	PASS
95	base peak	100.00	PASS
96	5-9% of m/z 95	7.63	PASS
173	<2% of m/z 174	0.09	PASS
174	>50% of m/z 95	80.39	PASS
175	5-9% of m/z 174	8.50	PASS
176	>95% but <101% of m/z 174	96.13	PASS
177	5-9% of m/z 176	8.49	PASS

ALAB : 00264

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	C:\VarianWS\data\8Oct12\8Oct121435.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	10ppb 524.2 tune 1	Acquisition Date:	10/16/2012 1:41:44 PM
Inj. Notes:	W#12062101	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.765	96.0+70.0	Fluorobenzene (IS1)	992	12992	25.000
25.086	117.0	Chlorobenzene-d5(IS2)	969	5910	25.000
31.384	152.0	1,4-Dichlorobenzene-d4(IS3)	979	4848	25.000
5.038	85.0	Dichlorodifluoromethane	754	411	1.752
5.725	47.0+49.0+51.0	Chloromethane	724		N/A
6.160	62.0+64.0	Vinyl Chloride	909	334	1.674
7.448	94.0	Bromomethane	866	167	3.580
7.855	49.0+45.0	Chloroethane	727		N/A
8.826	101.0+103.0	Trichlorofluoromethane	957	866	1.940
9.955	59.0	Ethyl ether	774	149	2.898
10.630	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	911	600	1.741
10.670	61.0+96.0+98.0	1,1-Dichloroethene	982	2727	5.028
11.038	55.0+56.0	Acrolein	250		N/A
11.061	43.0+58.0	Acetone	558	2767	172.506
11.175	142.0	Iodomethane	956	838	2.873
11.326	76.0	Carbon disulfide	673	1208	4.051
11.818	41.0+40.0	Acetonitrile	723		N/A
11.817	41.0+39.0	Allyl chloride	865		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	330		N/A
12.251	49.0	Methylene Chloride	762	2031	7.165
12.735	59.0	tert-Butanol	418	241	47.379
12.907	73.0	Methyl-tert-butyl-ether (MTBE)	868	526	3.079
12.939	61.0+96.0	t-1,2-Dichloroethene	921	2170	4.959

ALAB : 00265

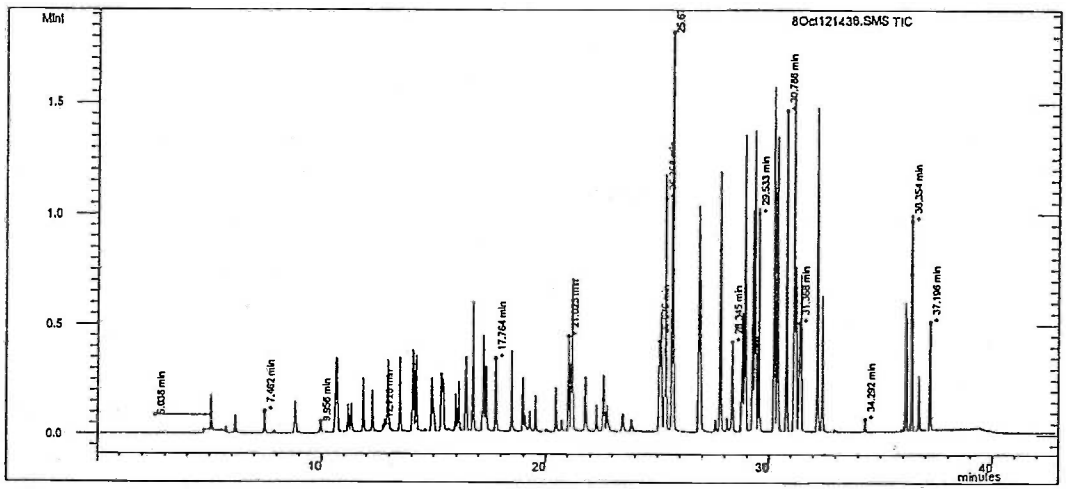
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.028	53.0	Acrylonitrile	436		N/A
13.472	55.9+41.0	n-Hexane	820		N/A
14.036	63.0	1,1-Dichloroethane	973	1381	4.691
14.080	45.0	Isopropyl ether	808	456	1.102
14.176	53.0	Chloroprene	678		N/A
14.042	43.0	Vinyl acetate	864		N/A
14.918	59.0	Ethyl-tert-butyl-ether	622	493	1.237
15.333	77.0	2,2-Dichloropropane	750	360	1.743
15.413	96.0	c-1,2-Dichloroethene	863	1523	10.223
15.634	43.0+72.0	2-Butanone (MEK)	441	94	4.659
15.603	54.0+55.0	Propionitrile	448	25	1.047
15.964	130.0+49.0	Bromochloromethane	929	1069	6.135
15.692	39.0+41.0+71.0	Tetrahydrofuran	377		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	540		N/A
16.103	83.0+85.0	Chloroform	951	4627	10.394
16.420	97.0+99.0	1,1,1-Trichloroethane	856	1135	1.984
16.454	111.0	Dibromofluoromethane (Surr1)	994	2846	30.328
16.727	117.0+119.0	Carbon Tetrachloride	869		N/A
16.734	75.0	1,1-Dichloropropene	892		N/A
17.016	41.0+39.0	Isobutyl alcohol	414		N/A
17.173	65.0	1,2-Dichloroethane-d4 (Surr2)	993	4045	38.747
17.215	78.0	Benzene	941	1443	3.217
17.334	62.0+64.0	1,2-Dichloroethane	943	1180	5.659
17.300	73.0+55.0+87.0	tert-Amyl-methyl-ether	822		N/A
18.484	130.0+132.0+95.0	Trichloroethene	993	2989	10.670
18.966	63.0+65.0	1,2-Dichloropropane	894	407	5.491
18.939	41.0+39.0	Methyl methacrylate	509		N/A
19.091	88.0	1,4-Dioxane	356		N/A
19.280	93.0+174.0	Dibromomethane	923	756	10.549
19.544	83.0+85.0	Bromodichloromethane	962	823	5.253
20.778	63.0+43.0	2-Chloroethyl vinyl ether	674	547	16.448
20.538	75.0+77.0+39.0	c-1,3-Dichloropropene	553	465	2.320
20.777	43.0+58.0	4-Methyl-2-pentanone	528	715	15.903
21.033	98.0	Toluene-d8 (Surr3)	933	8462	24.878
21.198	92.0+91.0	Toluene	942	4474	5.306
21.721	75.0+77.0	t-1,3-Dichloropropene	210		N/A
21.740	69.0	Ethyl methacrylate	462		N/A
22.284	97.0+99.0	1,1,2-Trichloroethane	926	367	4.669
22.581	164.0+166.0	Tetrachloroethene	990	149	4.418
22.704	76.0+41.0	1,3-Dichloropropane	686		N/A
22.945	43.0+58.0+100.0	2-Hexanone	445	48	1.369
23.402	129.0+127.0	Dibromochloromethane	797		N/A
23.868	107.0+109.0	1,2-Dibromoethane	914	731	7.325
24.895	91.0	1-Chlorohexane	367		N/A
25.173	112.0+114.0	Chlorobenzene	955	2943	6.114
25.366	106.0+91.0	Ethylbenzene	944	3994	2.506
25.343	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	868	449	1.246
25.688	106.0+91.0	p,m-Xylenes	985	8663	5.414
26.849	106.0+91.0	o-Xylene	909	4277	2.821
26.931	104.0+78.0	Styrene	929	1986	2.327
27.589	171.0+173.0+175.0	Bromoform	805	247	2.641

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.806	105.0+120.0	Isopropylbenzene	947	4400	2.509
28.351	95.0	p-Bromofluorobenzene (Surr4)	989	131572	525.000
28.736	83.0+85.0	1,1,2,2-Tetrachloroethane	941		N/A
28.917	75.0+110.0	1,2,3-Trichloropropane	745	200	2.339
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	411		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	334		N/A
28.817	77.0+158.0	Bromobenzene	947	3195	5.523
28.936	91.0+120.0	n-Propylbenzene	953	7049	3.540
29.264	91.0+126.0	2-Chlorotoluene	971	4514	3.500
29.371	105.0+120.0	1,3,5-Trimethylbenzene	974	6958	3.422
29.555	91.0+126.0	4-Chlorotoluene	981	7398	5.918
30.230	119.0+91.0	tert-Butylbenzene	817	9201	3.834
30.382	105.0+120.0	1,2,4-Trimethylbenzene	980	9079	4.911
30.398	117.0	Pentachloroethane	883	296	2.972
30.797	105.0+134.0	sec-Butylbenzene	932	7546	3.872
31.141	119.0	4-Isopropyltoluene	930	9154	6.358
31.225	146.0+148.0	1,3-Dichlorobenzene	987	6787	8.209
31.450	146.0+148.0	1,4-Dichlorobenzene	982	7428	10.094
31.910	91.0	Benzyl Chloride	528		N/A
32.181	91.0+134.0	n-Butylbenzene	982	17294	10.704
32.403	146.0+148.0	1,2-Dichlorobenzene	992	8075	11.984
34.299	75.0+157.0	1,2-Dibromo-3-chloropropane	908	837	17.643
36.106	180.0+182.0	1,2,4-Trichlorobenzene	883	13712	26.036
36.355	225.0+226.0	Hexachlorobutadiene	966	4653	14.229
36.690	128.0	Naphthalene	998	30412	109.523
37.200	180.0+182.0	1,2,3-Trichlorobenzene	996	12936	28.139

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121436.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	25ppb 524.2 ccv 1	Acquisition Date:	10/16/2012 2:27:31 PM
Inj. Notes:	W#1290602	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.764	96.0+70.0	Fluorobenzene (IS1)	998	617386	25.000
25.075	117.0	Chlorobenzene-d5(IS2)	989	510886	25.000
31.368	152.0	1,4-Dichlorobenzene-d4(IS3)	987	271738	25.000
5.038	85.0	Dichlorodifluoromethane	991	249502	22.404
5.744	47.0+49.0+51.0	Chloromethane	896	77020	24.942
6.157	62.0+64.0	Vinyl Chloride	992	226162	23.848
7.462	94.0	Bromomethane	964	75642	34.202
7.882	49.0+45.0	Chloroethane	952	17198	25.255
8.822	101.0+103.0	Trichlorofluoromethane	998	548013	25.846
9.956	59.0	Ethyl ether	957	57418	23.565
10.629	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	994	409049	24.966
10.675	61.0+96.0+98.0	1,1-Dichloroethene	997	579019	22.464
11.038	55.0+56.0	Acrolein	511		N/A
11.062	43.0+58.0	Acetone	838	17240	22.621
11.184	142.0	Iodomethane	985	401777	28.979
11.330	76.0	Carbon disulfide	654	306176	21.602
11.840	41.0+40.0	Acetonitrile	981	302594	21.760
11.841	41.0+39.0	Allyl chloride	996	608004	23.005
11.794	45.0	Isopropyl alcohol (2-Propanol)	200		N/A
12.257	49.0	Methylene Chloride	987	273889	20.331
12.728	59.0	tert-Butanol	911	28576	118.287
12.898	73.0	Methyl-tert-butyl-ether (MTBE)	998	167798	20.653
12.935	61.0+96.0	t-1,2-Dichloroethene	950	474911	22.844

ALAB : 00268

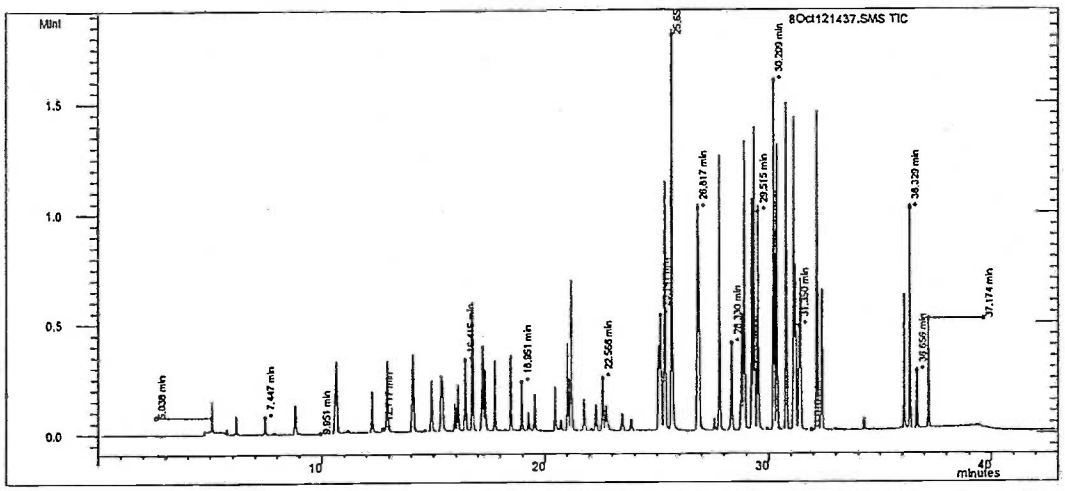
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.063	53.0	Acrylonitrile	987	9604	24.656
13.496	55.9+41.0	n-Hexane	994	565487	24.096
14.041	63.0	1,1-Dichloroethane	998	304472	22.692
14.074	45.0	Isopropyl ether	941	444555	22.582
14.209	53.0	Chloroprene	948	334082	22.205
14.042	43.0	Vinyl acetate	722		N/A
14.915	59.0	Ethyl-tert-butyl-ether	997	438238	23.139
15.342	77.0	2,2-Dichloropropane	999	217837	22.191
15.410	96.0	c-1,2-Dichloroethene	999	157072	22.190
15.503	43.0+72.0	2-Butanone (MEK)	826	19450	20.375
15.645	54.0+55.0	Propionitrile	961	9687	8.589
15.961	130.0+49.0	Bromochloromethane	993	183012	22.096
15.692	39.0+41.0+71.0	Tetrahydrofuran	396		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	344		N/A
16.107	83.0+85.0	Chloroform	997	462496	21.863
16.427	97.0+99.0	1,1,1-Trichloroethane	999	659961	24.274
16.458	111.0	Dibromofluoromethane (Surr1)	994	103706	23.257
16.755	117.0+119.0	Carbon Tetrachloride	993	555005	24.104
16.763	75.0	1,1-Dichloropropene	970	180103	22.009
17.016	41.0+39.0	Isobutyl alcohol	895		N/A
17.164	65.0	1,2-Dichloroethane-d4 (Surr2)	995	108033	21.777
17.216	78.0	Benzene	974	496400	23.290
17.322	62.0+64.0	1,2-Dichloroethane	979	218156	22.014
17.333	73.0+55.0+87.0	tert-Amyl-methyl-ether	998	382344	21.043
18.479	130.0+132.0+95.0	Trichloroethene	999	565296	23.344
18.966	63.0+65.0	1,2-Dichloropropane	998	145167	22.632
19.074	41.0+39.0	Methyl methacrylate	805	134176	19.870
19.091	88.0	1,4-Dioxane	466		N/A
19.270	93.0+174.0	Dibromomethane	952	146645	23.669
19.542	83.0+85.0	Bromodichloromethane	998	307847	22.722
20.722	63.0+43.0	2-Chloroethyl vinyl ether	702	61093	21.248
20.455	75.0+77.0+39.0	c-1,3-Dichloropropene	997	393215	22.680
20.720	43.0+58.0	4-Methyl-2-pentanone	975	83692	21.526
21.025	98.0	Toluene-d8 (Surr3)	996	742284	25.243
21.185	92.0+91.0	Toluene	980	1.766E6	24.232
21.765	75.0+77.0	t-1,3-Dichloropropene	996	153744	23.050
21.782	69.0	Ethyl methacrylate	944	60841	22.137
22.278	97.0+99.0	1,1,2-Trichloroethane	994	154882	22.775
22.580	164.0+166.0	Tetrachloroethene	989	70830	24.274
22.743	76.0+41.0	1,3-Dichloropropane	984	220751	21.269
22.824	43.0+58.0+100.0	2-Hexanone	993	57068	18.783
23.446	129.0+127.0	Dibromochloromethane	997	178487	22.633
23.839	107.0+109.0	1,2-Dibromoethane	993	195013	22.617
24.895	91.0	1-Chlorohexane	496		N/A
25.162	112.0+114.0	Chlorobenzene	992	992228	23.844
25.352	106.0+91.0	Ethylbenzene	993	2.219E6	24.836
25.368	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	986	516090	25.570
25.674	106.0+91.0	p,m-Xylenes	996	4.497E6	50.144
26.836	106.0+91.0	o-Xylene	998	2.134E6	25.110
26.893	104.0+78.0	Styrene	987	1.146E6	23.961
27.576	171.0+173.0+175.0	Bromoform	998	123259	23.471

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.798	105.0+120.0	Isopropylbenzene	969	2.459E6	25.014
28.345	95.0	p-Bromofluorobenzene (Surr4)	975	356922	25.409
28.754	83.0+85.0	1,1,2,2-Tetrachloroethane	994	143739	21.258
28.898	75.0+110.0	1,2,3-Trichloropropane	903	105352	22.000
28.902	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	645	126730	22.667
28.113	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	925	97118	22.137
28.798	77.0+158.0	Bromobenzene	981	743538	22.930
28.918	91.0+120.0	n-Propylbenzene	981	2.770E6	24.814
29.251	91.0+126.0	2-Chlorotoluene	989	1.753E6	24.250
29.362	105.0+120.0	1,3,5-Trimethylbenzene	995	2.762E6	24.239
29.533	91.0+126.0	4-Chlorotoluene	989	1.735E6	24.762
30.227	119.0+91.0	tert-Butylbenzene	925	3.346E6	24.875
30.369	105.0+120.0	1,2,4-Trimethylbenzene	994	2.431E6	23.456
30.399	117.0	Pentachloroethane	971	133903	23.950
30.786	105.0+134.0	sec-Butylbenzene	979	2.738E6	25.062
31.131	119.0	4-Isopropyltoluene	918	2.014E6	24.962
31.209	146.0+148.0	1,3-Dichlorobenzene	994	1.111E6	23.964
31.430	146.0+148.0	1,4-Dichlorobenzene	995	966825	23.441
31.910	91.0	Benzyl Chloride	766		N/A
32.167	91.0+134.0	n-Butylbenzene	990	2.187E6	24.147
32.387	146.0+148.0	1,2-Dichlorobenzene	994	869758	23.029
34.292	75.0+157.0	1,2-Dibromo-3-chloropropane	987	55280	20.791
36.096	180.0+182.0	1,2,4-Trichlorobenzene	905	665336	22.540
36.354	225.0+226.0	Hexachlorobutadiene	967	449560	24.529
36.679	128.0	Naphthalene	998	331754	21.316
37.196	180.0+182.0	1,2,3-Trichlorobenzene	997	586857	22.776

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121437.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	25ppb 524.2 lcs 1	Acquisition Date:	10/16/2012 3:13:30 PM
Inj. Notes:	W#12090604	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.751	96.0+70.0	Fluorobenzene (IS1)	997	562386	25.000
25.057	117.0	Chlorobenzene-d5(IS2)	990	477782	25.000
31.350	152.0	1,4-Dichlorobenzene-d4(IS3)	988	260131	25.000
5.038	85.0	Dichlorodifluoromethane	998	205685	20.276
5.739	47.0+49.0+51.0	Chloromethane	881	57634	20.489
6.152	62.0+64.0	Vinyl Chloride	985	218349	25.275
7.447	94.0	Bromomethane	988	55081	27.341
7.872	49.0+45.0	Chloroethane	953	13322	21.476
8.812	101.0+103.0	Trichlorofluoromethane	998	497487	25.757
9.951	59.0	Ethyl ether	735	92	0.041
10.620	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	996	365975	24.521
10.665	61.0+96.0+98.0	1,1-Dichloroethene	997	568649	24.219
11.038	55.0+56.0	Acrolein	452		N/A
11.054	43.0+58.0	Acetone	802	16415	23.645
11.181	142.0	Iodomethane	964	33958	2.689
11.325	76.0	Carbon disulfide	764	2020	0.156
11.818	41.0+40.0	Acetonitrile	778		N/A
11.817	41.0+39.0	Allyl chloride	891		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	263		N/A
12.247	49.0	Methylene Chloride	986	263995	21.513
12.717	59.0	tert-Butanol	959	26939	122.418
12.891	73.0	Methyl-tert-butyl-ether (MTBE)	996	162135	21.907
12.926	61.0+96.0	t-1,2-Dichloroethene	955	461063	24.347

ALAB : 00271

RT	Quan Ions	Compound Name	R.Match	Area	Amount
12.892	53.0	Acrylonitrile	317	3084	8.692
13.472	55.9+41.0	n-Hexane	792		N/A
14.031	63.0	1,1-Dichloroethane	998	272815	22.322
14.064	45.0	Isopropyl ether	943	422651	23.569
14.176	53.0	Chloroprene	174		N/A
14.042	43.0	Vinyl acetate	762		N/A
14.904	59.0	Ethyl-tert-butyl-ether	996	412918	23.935
15.332	77.0	2,2-Dichloropropane	999	206971	23.146
15.399	96.0	c-1,2-Dichloroethene	999	153194	23.758
15.487	43.0+72.0	2-Butanone (MEK)	771	15226	17.510
15.701	54.0+55.0	Propionitrile	410	15	0.015
15.951	130.0+49.0	Bromochloromethane	994	171707	22.759
15.692	39.0+41.0+71.0	Tetrahydrofuran	482		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	625		N/A
16.096	83.0+85.0	Chloroform	978	426693	22.143
16.415	97.0+99.0	1,1,1-Trichloroethane	999	623057	25.158
16.446	111.0	Dibromofluoromethane (Surr1)	994	95619	23.541
16.742	117.0+119.0	Carbon Tetrachloride	995	528279	25.187
16.751	75.0	1,1-Dichloropropene	972	171429	22.998
17.016	41.0+39.0	Isobutyl alcohol	461		N/A
17.152	65.0	1,2-Dichloroethane-d4 (Surr2)	990	99132	21.937
17.203	78.0	Benzene	974	460033	23.694
17.308	62.0+64.0	1,2-Dichloroethane	981	204307	22.632
17.319	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	362924	21.928
18.467	130.0+132.0+95.0	Trichloroethene	999	537047	23.714
18.952	63.0+65.0	1,2-Dichloropropane	998	133139	22.195
18.951	41.0+39.0	Methyl methacrylate	619	220370	34.896
19.091	88.0	1,4-Dioxane	594		N/A
19.258	93.0+174.0	Dibromomethane	949	133667	23.069
19.529	83.0+85.0	Bromodichloromethane	999	306483	24.189
20.709	63.0+43.0	2-Chloroethyl vinyl ether	565	62126	23.104
20.442	75.0+77.0+39.0	c-1,3-Dichloropropene	997	372978	23.004
20.708	43.0+58.0	4-Methyl-2-pentanone	979	85521	23.521
21.011	98.0	Toluene-d8 (Surr3)	997	683312	24.848
21.171	92.0+91.0	Toluene	979	1.712E6	25.120
21.750	75.0+77.0	t-1,3-Dichloropropene	881	138878	22.264
21.729	69.0	Ethyl methacrylate	676	4404	1.714
22.262	97.0+99.0	1,1,2-Trichloroethane	994	144656	22.745
22.566	164.0+166.0	Tetrachloroethene	990	67180	24.618
22.725	76.0+41.0	1,3-Dichloropropane	985	214915	22.142
22.806	43.0+58.0+100.0	2-Hexanone	981	59566	20.963
23.429	129.0+127.0	Dibromochloromethane	997	176386	23.916
23.824	107.0+109.0	1,2-Dibromoethane	996	187207	23.216
24.895	91.0	1-Chlorohexane	371		N/A
25.141	112.0+114.0	Chlorobenzene	991	980214	25.187
25.334	106.0+91.0	Ethylbenzene	992	2.168E6	25.348
25.348	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	985	487805	25.247
25.654	106.0+91.0	p,m-Xylenes	996	4.489E6	52.295
26.817	106.0+91.0	o-Xylene	997	2.163E6	26.591
26.874	104.0+78.0	Styrene	987	1.133E6	24.738
27.559	171.0+173.0+175.0	Bromoform	996	120124	23.895

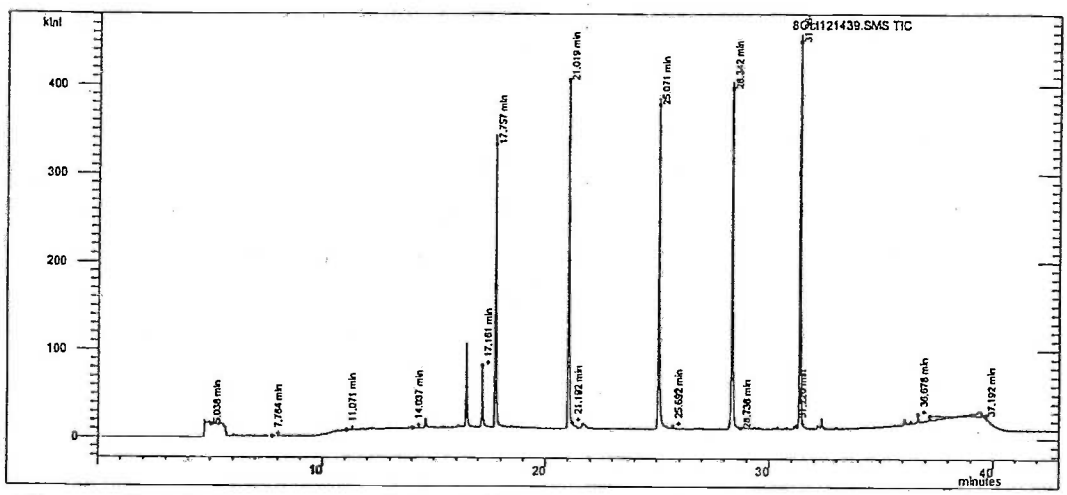
RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.781	105.0+120.0	Isopropylbenzene	986	2.502E6	26.584
28.330	95.0	p-Bromofluorobenzene (Surr4)	988	342990	25.507
28.737	83.0+85.0	1,1,2,2-Tetrachloroethane	994	139329	21.525
28.880	75.0+110.0	1,2,3-Trichloropropane	881	85887	18.735
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	286		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	627		N/A
28.779	77.0+158.0	Bromobenzene	973	767953	24.740
28.900	91.0+120.0	n-Propylbenzene	982	2.763E6	25.860
29.233	91.0+126.0	2-Chlorotoluene	990	1.824E6	26.354
29.343	105.0+120.0	1,3,5-Trimethylbenzene	996	2.788E6	25.555
29.515	91.0+126.0	4-Chlorotoluene	987	1.722E6	25.678
30.209	119.0+91.0	tert-Butylbenzene	922	3.426E6	26.609
30.351	105.0+120.0	1,2,4-Trimethylbenzene	995	2.497E6	25.171
30.355	117.0	Pentachloroethane	376	32522	6.076
30.768	105.0+134.0	sec-Butylbenzene	980	2.782E6	26.608
31.112	119.0	4-Isopropyltoluene	959	1.861E6	24.095
31.190	146.0+148.0	1,3-Dichlorobenzene	993	1.093E6	24.632
31.411	146.0+148.0	1,4-Dichlorobenzene	995	928659	23.520
31.910	91.0	Benzyl Chloride	466		N/A
32.149	91.0+134.0	n-Butylbenzene	990	2.201E6	25.385
32.369	146.0+148.0	1,2-Dichlorobenzene	995	877135	24.261
34.271	75.0+157.0	1,2-Dibromo-3-chloropropane	989	54844	21.548
36.073	180.0+182.0	1,2,4-Trichlorobenzene	903	686169	24.283
36.329	225.0+226.0	Hexachlorobutadiene	974	469219	26.744
36.656	128.0	Naphthalene	999	373081	25.041
37.174	180.0+182.0	1,2,3-Trichlorobenzene	996	591704	23.989

ALAB : 00273

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121439.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	Method Blank 1	Acquisition Date:	10/16/2012 4:45:19 PM
Inj. Notes:		Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.757	96.0+70.0	Fluorobenzene (IS1)	998	597845	25.000
25.071	117.0	Chlorobenzene-d5(IS2)	991	484376	25.000
31.364	152.0	1,4-Dichlorobenzene-d4(IS3)	989	258732	25.000
5.038	85.0	Dichlorodifluoromethane	805	329	0.031
5.725	47.0+49.0+51.0	Chloromethane	751		N/A
6.146	62.0+64.0	Vinyl Chloride	866	257	0.028
7.465	94.0	Bromomethane	895	58	0.027
7.764	49.0+45.0	Chloroethane	758	242	0.367
8.820	101.0+103.0	Trichlorofluoromethane	966	696	0.034
9.955	59.0	Ethyl ether	765	41	0.017
10.600	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	847		N/A
10.671	61.0+96.0+98.0	1,1-Dichloroethene	952	1974	0.079
11.038	55.0+56.0	Acrolein	260		N/A
11.071	43.0+58.0	Acetone	731	1481	2.007
11.173	142.0	Iodomethane	944	502	0.037
11.333	76.0	Carbon disulfide	691	759	0.055
11.818	41.0+40.0	Acetonitrile	627		N/A
11.817	41.0+39.0	Allyl chloride	717		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	245		N/A
12.253	49.0	Methylene Chloride	912	2586	0.198
12.701	59.0	tert-Butanol	666		N/A
12.911	73.0	Methyl-tert-butyl-ether (MTBE)	738	374	0.048
12.939	61.0+96.0	t-1,2-Dichloroethene	877	1364	0.068

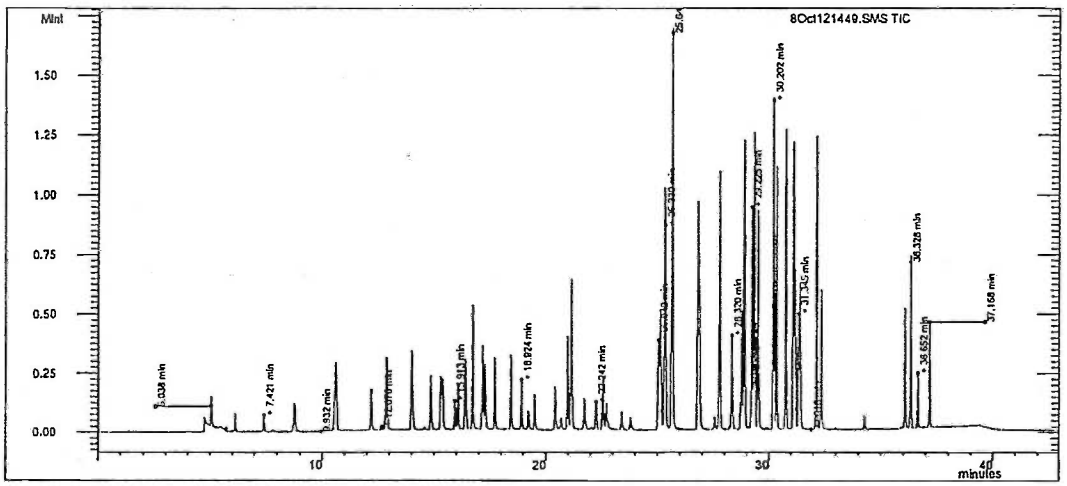
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.129	53.0	Acrylonitrile	436	45	0.120
13.472	55.9+41.0	n-Hexane	606		N/A
14.037	63.0	1,1-Dichloroethane	962	930	0.072
14.049	45.0	Isopropyl ether	592		N/A
14.176	53.0	Chloroprene	441		N/A
14.042	43.0	Vinyl acetate	877		N/A
14.917	59.0	Ethyl-tert-butyl-ether	554	222	0.012
15.320	77.0	2,2-Dichloropropane	779		N/A
15.425	96.0	c-1,2-Dichloroethene	975	1104	0.161
15.464	43.0+72.0	2-Butanone (MEK)	139		N/A
15.609	54.0+55.0	Propionitrile	147		N/A
15.969	130.0+49.0	Bromochloromethane	909	686	0.085
15.692	39.0+41.0+71.0	Tetrahydrofuran	456		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	467		N/A
16.109	83.0+85.0	Chloroform	790	1884	0.092
16.413	97.0+99.0	1,1,1-Trichloroethane	617	545	0.021
16.450	111.0	Dibromofluoromethane (Surr1)	990	103762	24.030
16.727	117.0+119.0	Carbon Tetrachloride	739		N/A
16.734	75.0	1,1-Dichloropropene	887		N/A
17.016	41.0+39.0	Isobutyl alcohol	380		N/A
17.161	65.0	1,2-Dichloroethane-d4 (Surr2)	996	115571	24.058
17.216	78.0	Benzene	666	1255	0.061
17.335	62.0+64.0	1,2-Dichloroethane	545	838	0.087
17.300	73.0+55.0+87.0	tert-Amyl-methyl-ether	638		N/A
18.488	130.0+132.0+95.0	Trichloroethene	961	1842	0.080
18.971	63.0+65.0	1,2-Dichloropropane	726	336	0.055
18.955	41.0+39.0	Methyl methacrylate	538	1588	0.248
19.091	88.0	1,4-Dioxane	369		N/A
19.287	93.0+174.0	Dibromomethane	925	503	0.086
19.513	83.0+85.0	Bromodichloromethane	807		N/A
20.682	63.0+43.0	2-Chloroethyl vinyl ether	436		N/A
20.506	75.0+77.0+39.0	c-1,3-Dichloropropene	567	218	0.013
20.679	43.0+58.0	4-Methyl-2-pentanone	294		N/A
21.019	98.0	Toluene-d8 (Surr3)	997	720745	25.852
21.192	92.0+91.0	Toluene	932	5678	0.082
21.721	75.0+77.0	t-1,3-Dichloropropene	440		N/A
21.740	69.0	Ethyl methacrylate	407		N/A
22.248	97.0+99.0	1,1,2-Trichloroethane	806		N/A
22.586	164.0+166.0	Tetrachloroethene	965	45	0.016
22.704	76.0+41.0	1,3-Dichloropropane	695		N/A
22.778	43.0+58.0+100.0	2-Hexanone	339		N/A
23.402	129.0+127.0	Dibromochloromethane	639		N/A
23.893	107.0+109.0	1,2-Dibromoethane	851	158	0.019
24.895	91.0	1-Chlorohexane	354		N/A
25.177	112.0+114.0	Chlorobenzene	656	596	0.015
25.371	106.0+91.0	Ethylbenzene	938	2349	0.028
25.325	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	578		N/A
25.692	106.0+91.0	p,m-Xylenes	965	5868	0.069
26.852	106.0+91.0	o-Xylene	883	2510	0.031
26.945	104.0+78.0	Styrene	884	857	0.019
27.591	171.0+173.0+175.0	Bromoform	640	74	0.015

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.800	105.0+120.0	Isopropylbenzene	916	1365	0.015
28.342	95.0	p-Bromofluorobenzene (Surr4)	974	339976	25.420
28.736	83.0+85.0	1,1,2,2-Tetrachloroethane	776		N/A
28.872	75.0+110.0	1,2,3-Trichloropropane	601		N/A
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	517		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	243		N/A
28.812	77.0+158.0	Bromobenzene	933	1475	0.048
28.935	91.0+120.0	n-Propylbenzene	898	2865	0.027
29.263	91.0+126.0	2-Chlorotoluene	927	1657	0.024
29.368	105.0+120.0	1,3,5-Trimethylbenzene	952	3398	0.031
29.555	91.0+126.0	4-Chlorotoluene	946	3424	0.051
30.229	119.0+91.0	tert-Butylbenzene	766	3235	0.025
30.378	105.0+120.0	1,2,4-Trimethylbenzene	967	5579	0.057
30.364	117.0	Pentachloroethane	492		N/A
30.788	105.0+134.0	sec-Butylbenzene	916	3565	0.034
31.129	119.0	4-Isopropyltoluene	897	4267	0.056
31.220	146.0+148.0	1,3-Dichlorobenzene	988	4150	0.094
31.436	146.0+148.0	1,4-Dichlorobenzene	564	3627	0.092
31.910	91.0	Benzyl Chloride	599		N/A
32.176	91.0+134.0	n-Butylbenzene	954	6407	0.074
32.393	146.0+148.0	1,2-Dichlorobenzene	950	3335	0.093
34.299	75.0+157.0	1,2-Dibromo-3-chloropropane	628	217	0.086
36.099	180.0+182.0	1,2,4-Trichlorobenzene	889	6656	0.237
36.347	225.0+226.0	Hexachlorobutadiene	963	2133	0.122
36.678	128.0	Naphthalene	995	11714	0.790
37.192	180.0+182.0	1,2,3-Trichlorobenzene	989	5572	0.227

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121449.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	MS_311995-007_10ml	Acquisition Date:	10/17/2012 12:28:14 AM
Inj. Notes:	W#12090604	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.720	96.0+70.0	Fluorobenzene (IS1)	998	565290	25.000
25.042	117.0	Chlorobenzene-d5(IS2)	989	482890	25.000
31.345	152.0	1,4-Dichlorobenzene-d4(IS3)	985	277522	25.000
5.038	85.0	Dichlorodifluoromethane	993	181859	17.835
5.725	47.0+49.0+51.0	Chloromethane	878	53931	19.074
6.128	62.0+64.0	Vinyl Chloride	984	197113	22.700
7.421	94.0	Bromomethane	987	47544	23.478
7.832	49.0+45.0	Chloroethane	948	11210	17.978
8.767	101.0+103.0	Trichlorofluoromethane	998	454845	23.429
9.932	59.0	Ethyl ether	585		N/A
10.570	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	997	323900	21.591
10.617	61.0+96.0+98.0	1,1-Dichloroethene	998	536350	22.726
11.038	55.0+56.0	Acrolein	232		N/A
11.008	43.0+58.0	Acetone	899	15538	22.267
11.131	142.0	Iodomethane	963	11255	0.887
11.277	76.0	Carbon disulfide	668	1878	0.145
11.818	41.0+40.0	Acetonitrile	240		N/A
11.817	41.0+39.0	Allyl chloride	780		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	132		N/A
12.198	49.0	Methylene Chloride	984	255801	20.738
12.676	59.0	tert-Butanol	954	27629	124.910
12.847	73.0	Methyl-tert-butyl-ether (MTBE)	998	163192	21.937
12.880	61.0+96.0	t-1,2-Dichloroethene	949	415758	21.842

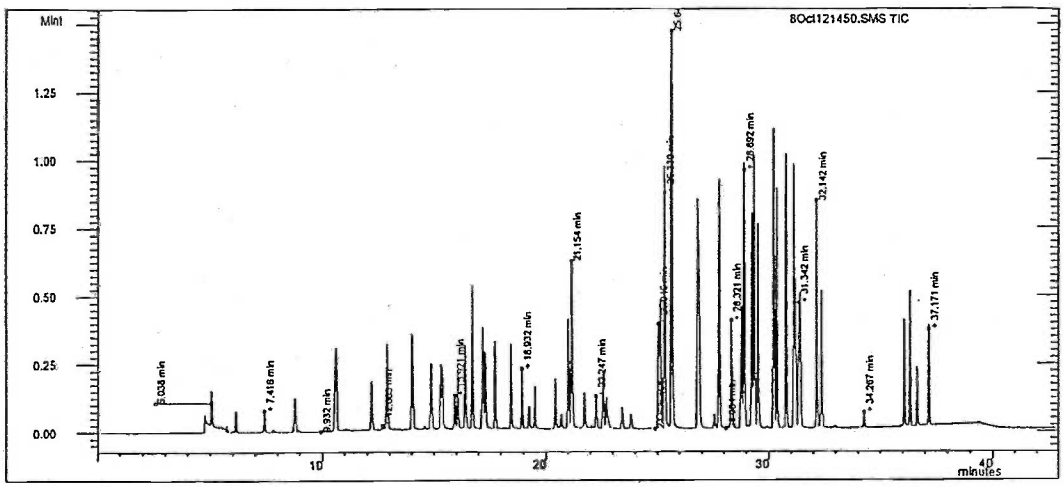
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.028	53.0	Acrylonitrile	276		N/A
13.472	55.9+41.0	n-Hexane	921		N/A
13.988	63.0	1,1-Dichloroethane	998	267824	21.801
14.022	45.0	Isopropyl ether	943	417058	23.138
14.176	53.0	Chloroprene	481		N/A
14.042	43.0	Vinyl acetate	783		N/A
14.866	59.0	Ethyl-tert-butyl-ether	996	416233	24.003
15.292	77.0	2,2-Dichloropropane	998	187952	20.911
15.360	96.0	c-1,2-Dichloroethene	998	142423	21.974
15.451	43.0+72.0	2-Butanone (MEK)	783	16544	18.928
15.609	54.0+55.0	Propionitrile	283		N/A
15.913	130.0+49.0	Bromochloromethane	995	179722	23.699
15.692	39.0+41.0+71.0	Tetrahydrofuran	485		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	598		N/A
16.059	83.0+85.0	Chloroform	961	421995	21.787
16.379	97.0+99.0	1,1,1-Trichloroethane	999	556830	22.369
16.410	111.0	Dibromofluoromethane (Surr1)	996	95992	23.511
16.709	117.0+119.0	Carbon Tetrachloride	993	474863	22.524
16.716	75.0	1,1-Dichloropropene	968	160383	21.406
17.016	41.0+39.0	Isobutyl alcohol	290		N/A
17.119	65.0	1,2-Dichloroethane-d4 (Surr2)	996	97692	21.507
17.170	78.0	Benzene	973	422792	21.664
17.276	62.0+64.0	1,2-Dichloroethane	977	199065	21.939
17.288	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	362430	21.785
18.439	130.0+132.0+95.0	Trichloroethene	999	489619	21.391
18.926	63.0+65.0	1,2-Dichloropropane	998	133085	21.951
18.924	41.0+39.0	Methyl methacrylate	715	215053	33.693
19.091	88.0	1,4-Dioxane	308		N/A
19.230	93.0+174.0	Dibromomethane	946	134721	23.005
19.502	83.0+85.0	Bromodichloromethane	999	296969	23.190
20.685	63.0+43.0	2-Chloroethyl vinyl ether	594	62534	23.010
20.416	75.0+77.0+39.0	c-1,3-Dichloropropene	997	342372	20.893
20.684	43.0+58.0	4-Methyl-2-pentanone	975	85656	23.309
20.985	98.0	Toluene-d8 (Surr3)	996	669808	24.099
21.147	92.0+91.0	Toluene	979	1.616E6	23.459
21.725	75.0+77.0	t-1,3-Dichloropropene	836	137808	21.859
21.705	69.0	Ethyl methacrylate	654	3605	1.388
22.242	97.0+99.0	1,1,2-Trichloroethane	995	147996	23.024
22.541	164.0+166.0	Tetrachloroethene	990	62249	22.570
22.705	76.0+41.0	1,3-Dichloropropane	984	218927	22.316
22.785	43.0+58.0+100.0	2-Hexanone	993	59160	20.600
23.408	129.0+127.0	Dibromochloromethane	997	173929	23.333
23.804	107.0+109.0	1,2-Dibromoethane	992	184874	22.684
24.895	91.0	1-Chlorohexane	294		N/A
25.128	112.0+114.0	Chlorobenzene	992	966178	24.564
25.321	106.0+91.0	Ethylbenzene	992	1.961E6	21.489
25.339	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	985	468404	22.724
25.644	106.0+91.0	p,m-Xylenes	996	4.178E6	45.620
26.807	106.0+91.0	o-Xylene	998	2.010E6	23.164
26.866	104.0+78.0	Styrene	987	1.075E6	22.005
27.549	171.0+173.0+175.0	Bromoform	998	119223	22.229

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.771	105.0+120.0	Isopropylbenzene	969	2.224E6	22.154
28.320	95.0	p-Bromofluorobenzene (Surr4)	980	352637	24.581
28.730	83.0+85.0	1,1,2,2-Tetrachloroethane	995	142932	20.698
28.871	75.0+110.0	1,2,3-Trichloropropane	895	90219	18.447
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	286		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	491		N/A
28.771	77.0+158.0	Bromobenzene	975	734861	22.190
28.891	91.0+120.0	n-Propylbenzene	982	2.488E6	21.824
29.225	91.0+126.0	2-Chlorotoluene	990	1.758E6	23.808
29.336	105.0+120.0	1,3,5-Trimethylbenzene	996	2.477E6	21.286
29.508	91.0+126.0	4-Chlorotoluene	988	1.555E6	21.726
30.202	119.0+91.0	tert-Butylbenzene	920	2.978E6	21.679
30.345	105.0+120.0	1,2,4-Trimethylbenzene	995	2.137E6	20.189
30.344	117.0	Pentachloroethane	470	28783	5.041
30.761	105.0+134.0	sec-Butylbenzene	979	2.390E6	21.423
31.105	119.0	4-Isopropyltoluene	956	1.609E6	19.528
31.185	146.0+148.0	1,3-Dichlorobenzene	994	998132	21.090
31.406	146.0+148.0	1,4-Dichlorobenzene	994	847322	20.115
31.910	91.0	Benzyl Chloride	681		N/A
32.143	91.0+134.0	n-Butylbenzene	990	1.769E6	19.124
32.363	146.0+148.0	1,2-Dichlorobenzene	994	832541	21.584
34.268	75.0+157.0	1,2-Dibromo-3-chloropropane	988	55535	20.452
36.072	180.0+182.0	1,2,4-Trichlorobenzene	901	577923	19.170
36.328	225.0+226.0	Hexachlorobutadiene	969	336934	18.001
36.652	128.0	Naphthalene	997	334371	21.036
37.168	180.0+182.0	1,2,3-Trichlorobenzene	996	497971	18.924

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121450.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	MSD_311995-007_10ml	Acquisition Date:	10/17/2012 1:14:56 AM
Inj. Notes:	W#12090604	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.728	96.0+70.0	Fluorobenzene (IS1)	997	588200	25.000
25.046	117.0	Chlorobenzene-d5(IS2)	989	480902	25.000
31.342	152.0	1,4-Dichlorobenzene-d4(IS3)	985	273126	25.000
5.038	85.0	Dichlorodifluoromethane	993	191016	18.003
5.727	47.0+49.0+51.0	Chloromethane	882	55438	18.844
6.131	62.0+64.0	Vinyl Chloride	991	206007	22.800
7.416	94.0	Bromomethane	979	51849	24.607
7.832	49.0+45.0	Chloroethane	943	12081	18.622
8.769	101.0+103.0	Trichlorofluoromethane	997	478445	23.684
9.932	59.0	Ethyl ether	612		N/A
10.575	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	994	340866	21.837
10.621	61.0+96.0+98.0	1,1-Dichloroethene	996	560534	22.826
11.038	55.0+56.0	Acrolein	218		N/A
11.011	43.0+58.0	Acetone	852	16860	23.220
11.140	142.0	Iodomethane	963	10942	0.828
11.283	76.0	Carbon disulfide	732	1623	0.120
11.818	41.0+40.0	Acetonitrile	346		N/A
11.817	41.0+39.0	Allyl chloride	737		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	309		N/A
12.204	49.0	Methylene Chloride	984	266509	20.765
12.683	59.0	tert-Butanol	957	30124	130.883
12.852	73.0	Methyl-tert-butyl-ether (MTBE)	998	172405	22.273
12.885	61.0+96.0	t-1,2-Dichloroethene	957	433684	21.896

ALAS : 00280

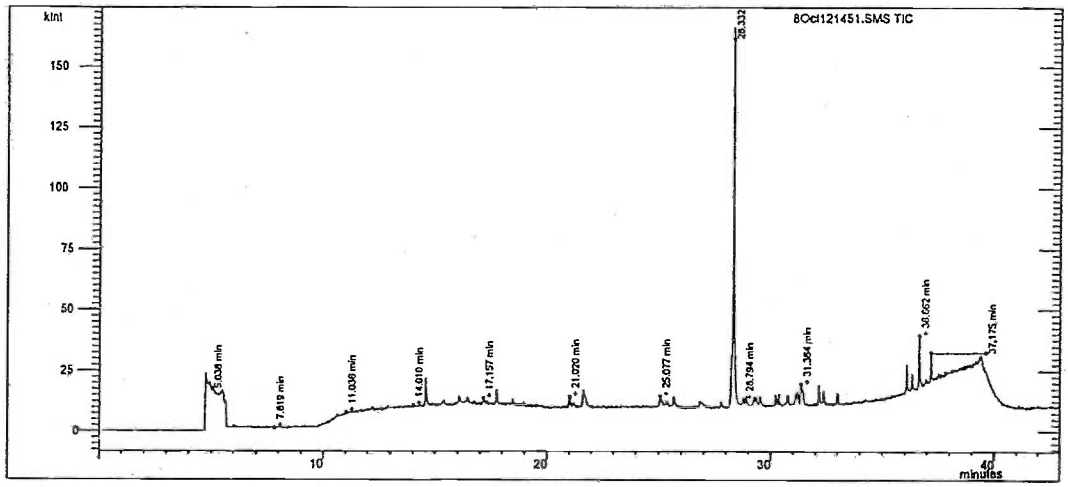
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.028	53.0	Acrylonitrile	283		N/A
13.472	55.9+41.0	n-Hexane	654		N/A
13.994	63.0	1,1-Dichloroethane	992	283485	22.177
14.027	45.0	Isopropyl ether	940	441647	23.547
14.176	53.0	Chloroprene	373		N/A
14.042	43.0	Vinyl acetate	893		N/A
14.872	59.0	Ethyl-tert-butyl-ether	997	440642	24.421
15.301	77.0	2,2-Dichloropropane	999	200173	21.403
15.368	96.0	c-1,2-Dichloroethene	998	151911	22.525
15.472	43.0+72.0	2-Butanone (MEK)	802	16996	18.688
15.609	54.0+55.0	Propionitrile	610		N/A
15.921	130.0+49.0	Bromochloromethane	993	185893	23.558
15.692	39.0+41.0+71.0	Tetrahydrofuran	479		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	507		N/A
16.067	83.0+85.0	Chloroform	978	444589	22.059
16.386	97.0+99.0	1,1,1-Trichloroethane	999	578834	22.347
16.418	111.0	Dibromofluoromethane (Surr1)	994	99080	23.322
16.715	117.0+119.0	Carbon Tetrachloride	995	492075	22.432
16.724	75.0	1,1-Dichloropropene	969	162025	20.782
17.016	41.0+39.0	Isobutyl alcohol	323		N/A
17.127	65.0	1,2-Dichloroethane-d4 (Surr2)	987	99990	21.156
17.178	78.0	Benzene	973	438393	21.589
17.283	62.0+64.0	1,2-Dichloroethane	978	205668	21.783
17.295	73.0+55.0+87.0	tert-Amyl-methyl-ether	998	376687	21.760
18.446	130.0+132.0+95.0	Trichloroethene	999	486275	21.333
18.934	63.0+65.0	1,2-Dichloropropane	998	136156	22.550
18.932	41.0+39.0	Methyl methacrylate	706	226609	35.651
19.091	88.0	1,4-Dioxane	545		N/A
19.237	93.0+174.0	Dibromomethane	943	141561	24.273
19.510	83.0+85.0	Bromodichloromethane	998	311664	24.438
20.694	63.0+43.0	2-Chloroethyl vinyl ether	637	65819	24.319
20.425	75.0+77.0+39.0	c-1,3-Dichloropropene	996	353512	21.661
20.693	43.0+58.0	4-Methyl-2-pentanone	980	89865	24.555
20.995	98.0	Toluene-d8 (Surr3)	989	685015	24.748
21.154	92.0+91.0	Toluene	979	1.554E6	22.657
21.736	75.0+77.0	t-1,3-Dichloropropene	823	137773	21.944
21.716	69.0	Ethyl methacrylate	581	3224	1.246
22.247	97.0+99.0	1,1,2-Trichloroethane	995	151595	23.681
22.552	164.0+166.0	Tetrachloroethene	989	59624	21.707
22.711	76.0+41.0	1,3-Dichloropropane	991	222130	22.736
22.790	43.0+58.0+100.0	2-Hexanone	991	61388	21.464
23.414	129.0+127.0	Dibromochloromethane	997	177942	23.970
23.810	107.0+109.0	1,2-Dibromoethane	995	188165	23.184
24.895	91.0	1-Chlorohexane	424		N/A
25.132	112.0+114.0	Chlorobenzene	992	891584	22.761
25.324	106.0+91.0	Ethylbenzene	992	1.751E6	19.499
25.339	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	985	472011	23.267
25.646	106.0+91.0	p,m-Xylenes	996	3.681E6	40.841
26.808	106.0+91.0	o-Xylene	997	1.813E6	21.232
26.866	104.0+78.0	Styrene	986	951234	19.785
27.550	171.0+173.0+175.0	Bromoform	997	117106	22.186

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.772	105.0+120.0	Isopropylbenzene	970	1.863E6	18.858
28.321	95.0	p-Bromofluorobenzene (Surr4)	985	345328	24.459
28.730	83.0+85.0	1,1,2,2-Tetrachloroethane	994	145412	21.396
28.872	75.0+110.0	1,2,3-Trichloropropane	904	89131	18.518
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	289		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	482		N/A
28.772	77.0+158.0	Bromobenzene	973	667936	20.494
28.892	91.0+120.0	n-Propylbenzene	981	2.011E6	17.928
29.226	91.0+126.0	2-Chlorotoluene	990	1.480E6	20.370
29.336	105.0+120.0	1,3,5-Trimethylbenzene	996	1.990E6	17.372
29.508	91.0+126.0	4-Chlorotoluene	988	1.284E6	18.237
30.201	119.0+91.0	tert-Butylbenzene	916	2.395E6	17.715
30.345	105.0+120.0	1,2,4-Trimethylbenzene	994	1.716E6	16.479
30.345	117.0	Pentachloroethane	612	31913	5.679
30.760	105.0+134.0	sec-Butylbenzene	976	1.824E6	16.617
31.105	119.0	4-Isopropyltoluene	958	1.208E6	14.900
31.183	146.0+148.0	1,3-Dichlorobenzene	994	818326	17.569
31.405	146.0+148.0	1,4-Dichlorobenzene	994	688564	16.610
31.910	91.0	Benzyl Chloride	458		N/A
32.142	91.0+134.0	n-Butylbenzene	974	1.243E6	13.653
32.363	146.0+148.0	1,2-Dichlorobenzene	995	703550	18.534
34.267	75.0+157.0	1,2-Dibromo-3-chloropropane	989	55858	20.902
36.072	180.0+182.0	1,2,4-Trichlorobenzene	901	457564	15.422
36.331	225.0+226.0	Hexachlorobutadiene	966	244131	13.253
36.654	128.0	Naphthalene	998	310549	19.852
37.171	180.0+182.0	1,2,3-Trichlorobenzene	996	408048	15.756

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121451.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	10ppb 524.2 tune 2	Acquisition Date:	10/17/2012 2:00:53 AM
Inj. Notes:	W#12062101	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.751	96.0+70.0	Fluorobenzene (IS1)	989	10592	25.000
25.077	117.0	Chlorobenzene-d5(IS2)	988	5316	25.000
31.364	152.0	1,4-Dichlorobenzene-d4(IS3)	979	5214	25.000
5.038	85.0	Dichlorodifluoromethane	862	428	2.238
5.730	47.0+49.0+51.0	Chloromethane	601	191	3.614
6.137	62.0+64.0	Vinyl Chloride	882	352	2.163
7.439	94.0	Bromomethane	898	119	3.135
7.819	49.0+45.0	Chloroethane	691	63	5.364
8.787	101.0+103.0	Trichlorofluoromethane	957	858	2.359
9.917	59.0	Ethyl ether	836	49	1.168
10.591	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	907	455	1.619
10.637	61.0+96.0+98.0	1,1-Dichloroethene	953	2379	5.381
11.038	55.0+56.0	Acrolein	233		N/A
11.036	43.0+58.0	Acetone	690	1647	125.976
11.148	142.0	Iodomethane	950	307	1.291
11.292	76.0	Carbon disulfide	686	680	2.798
11.818	41.0+40.0	Acetonitrile	784		N/A
11.817	41.0+39.0	Allyl chloride	790		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	255		N/A
12.223	49.0	Methylene Chloride	741	1685	7.292
12.728	59.0	tert-Butanol	389	244	58.921
12.878	73.0	Methyl-tert-butyl-ether (MTBE)	804	322	2.313
12.909	61.0+96.0	t-1,2-Dichloroethene	806	1656	4.644

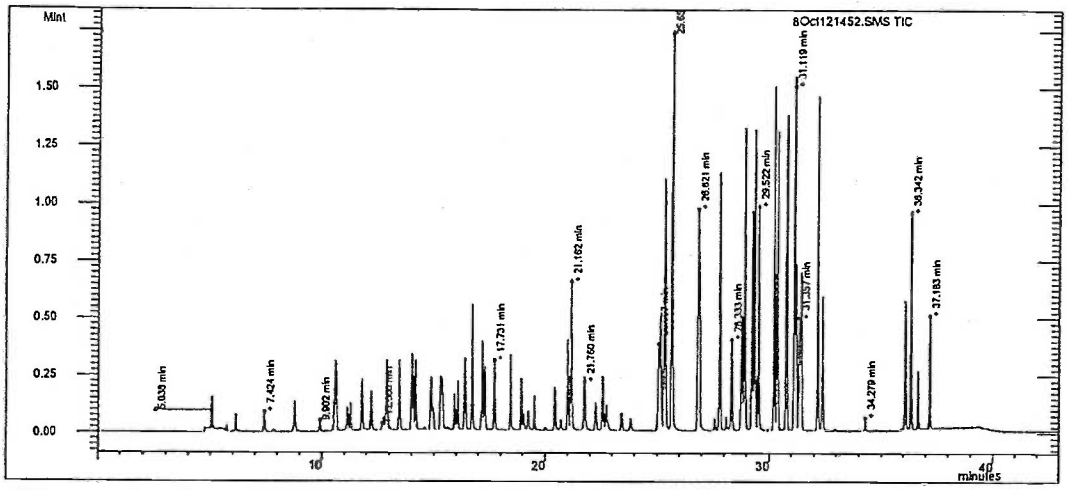
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.028	53.0	Acrylonitrile	443		N/A
13.472	55.9+41.0	n-Hexane	590		N/A
14.010	63.0	1,1-Dichloroethane	960	997	4.329
14.049	45.0	Isopropyl ether	824	429	1.270
14.176	53.0	Chloroprene	541		N/A
14.042	43.0	Vinyl acetate	634		N/A
14.892	59.0	Ethyl-tert-butyl-ether	419	519	1.596
15.314	77.0	2,2-Dichloropropane	675	388	2.302
15.392	96.0	c-1,2-Dichloroethene	850	1091	8.983
15.464	43.0+72.0	2-Butanone (MEK)	307		N/A
15.609	54.0+55.0	Propionitrile	546		N/A
15.951	130.0+49.0	Bromochloromethane	905	850	5.981
15.692	39.0+41.0+71.0	Tetrahydrofuran	288		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	508		N/A
16.084	83.0+85.0	Chloroform	895	3734	10.289
16.403	97.0+99.0	1,1,1-Trichloroethane	901	1046	2.242
16.436	111.0	Dibromofluoromethane (Surr1)	981	2205	28.824
16.727	117.0+119.0	Carbon Tetrachloride	899		N/A
16.734	75.0	1,1-Dichloropropene	905		N/A
17.016	41.0+39.0	Isobutyl alcohol	381		N/A
17.157	65.0	1,2-Dichloroethane-d4 (Surr2)	982	3134	36.822
17.198	78.0	Benzene	925	1064	2.909
17.317	62.0+64.0	1,2-Dichloroethane	834	970	5.703
17.315	73.0+55.0+87.0	tert-Amyl-methyl-ether	886	449	1.442
18.471	130.0+132.0+95.0	Trichloroethene	994	2862	11.359
18.955	63.0+65.0	1,2-Dichloropropane	815	247	3.701
18.939	41.0+39.0	Methyl methacrylate	466		N/A
19.091	88.0	1,4-Dioxane	490		N/A
19.273	93.0+174.0	Dibromomethane	923	918	14.248
19.525	83.0+85.0	Bromodichloromethane	948	590	4.183
20.759	63.0+43.0	2-Chloroethyl vinyl ether	643	652	21.781
20.428	75.0+77.0+39.0	c-1,3-Dichloropropene	577		N/A
20.756	43.0+58.0	4-Methyl-2-pentanone	759	922	22.779
21.020	98.0	Toluene-d8 (Surr3)	956	8156	26.657
21.182	92.0+91.0	Toluene	949	4396	5.796
21.721	75.0+77.0	t-1,3-Dichloropropene	485		N/A
21.740	69.0	Ethyl methacrylate	302		N/A
22.248	97.0+99.0	1,1,2-Trichloroethane	942		N/A
22.566	164.0+166.0	Tetrachloroethene	982	167	5.487
22.704	76.0+41.0	1,3-Dichloropropane	609		N/A
22.914	43.0+58.0+100.0	2-Hexanone	468	123	3.906
23.402	129.0+127.0	Dibromochloromethane	898		N/A
23.807	107.0+109.0	1,2-Dibromoethane	863		N/A
24.895	91.0	1-Chlorohexane	439		N/A
25.166	112.0+114.0	Chlorobenzene	965	2698	6.231
25.353	106.0+91.0	Ethylbenzene	933	3861	2.252
25.325	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	872		N/A
25.676	106.0+91.0	p,m-Xylenes	979	8997	5.229
26.829	106.0+91.0	o-Xylene	912	4846	2.973
26.915	104.0+78.0	Styrene	938	2533	2.760
27.570	171.0+173.0+175.0	Bromoform	815	265	2.634

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.767	105.0+120.0	Isopropylbenzene	931	4547	2.411
28.332	95.0	p-Bromofluorobenzene (Surr4)	991	140969	523.079
28.740	83.0+85.0	1,1,2,2-Tetrachloroethane	922	578	4.456
28.872	75.0+110.0	1,2,3-Trichloropropane	796		N/A
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	368		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	131		N/A
28.794	77.0+158.0	Bromobenzene	971	3218	5.173
28.914	91.0+120.0	n-Propylbenzene	966	6899	3.221
29.246	91.0+126.0	2-Chlorotoluene	972	4474	3.226
29.349	105.0+120.0	1,3,5-Trimethylbenzene	975	7467	3.415
29.539	91.0+126.0	4-Chlorotoluene	979	7990	5.944
30.211	119.0+91.0	tert-Butylbenzene	796	9683	3.752
30.364	105.0+120.0	1,2,4-Trimethylbenzene	983	9690	4.874
30.364	117.0	Pentachloroethane	453		N/A
30.773	105.0+134.0	sec-Butylbenzene	931	8256	3.940
31.120	119.0	4-Isopropyltoluene	947	7318	4.727
31.205	146.0+148.0	1,3-Dichlorobenzene	988	7505	8.441
31.429	146.0+148.0	1,4-Dichlorobenzene	975	7573	9.570
31.910	91.0	Benzyl Chloride	578		N/A
32.157	91.0+134.0	n-Butylbenzene	959	12955	7.456
32.380	146.0+148.0	1,2-Dichlorobenzene	992	7844	10.825
34.278	75.0+157.0	1,2-Dibromo-3-chloropropane	900	802	15.727
36.078	180.0+182.0	1,2,4-Trichlorobenzene	883	12484	22.044
36.331	225.0+226.0	Hexachlorobutadiene	962	3342	9.504
36.662	128.0	Naphthalene	997	27478	92.023
37.175	180.0+182.0	1,2,3-Trichlorobenzene	995	11301	22.861

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121452.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	25ppb 524.2 ccv 2	Acquisition Date:	10/17/2012 2:47:48 AM
Inj. Notes:	W#1290602	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.731	96.0+70.0	Fluorobenzene (IS1)	998	573547	25.000
25.057	117.0	Chlorobenzene-d5(IS2)	990	474048	25.000
31.357	152.0	1,4-Dichlorobenzene-d4(IS3)	986	271571	25.000
5.038	85.0	Dichlorodifluoromethane	992	220759	21.338
5.726	47.0+49.0+51.0	Chloromethane	877	66758	23.271
6.129	62.0+64.0	Vinyl Chloride	985	199748	22.672
7.424	94.0	Bromomethane	975	64688	31.484
7.830	49.0+45.0	Chloroethane	953	13684	21.630
8.767	101.0+103.0	Trichlorofluoromethane	997	510960	25.940
9.902	59.0	Ethyl ether	956	54293	23.986
10.571	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	997	365025	23.982
10.620	61.0+96.0+98.0	1,1-Dichloroethene	998	548936	22.925
11.038	55.0+56.0	Acrolein	145		N/A
11.013	43.0+58.0	Acetone	794	16996	24.006
11.133	142.0	Iodomethane	984	328521	25.506
11.278	76.0	Carbon disulfide	649	284700	21.622
11.788	41.0+40.0	Acetonitrile	980	274355	21.238
11.789	41.0+39.0	Allyl chloride	994	552650	22.508
11.794	45.0	Isopropyl alcohol (2-Propanol)	192		N/A
12.206	49.0	Methylene Chloride	984	254505	20.336
12.688	59.0	tert-Butanol	917	28078	125.111
12.856	73.0	Methyl-tert-butyl-ether (MTBE)	986	163243	21.628
12.886	61.0+96.0	t-1,2-Dichloroethene	959	426785	22.098

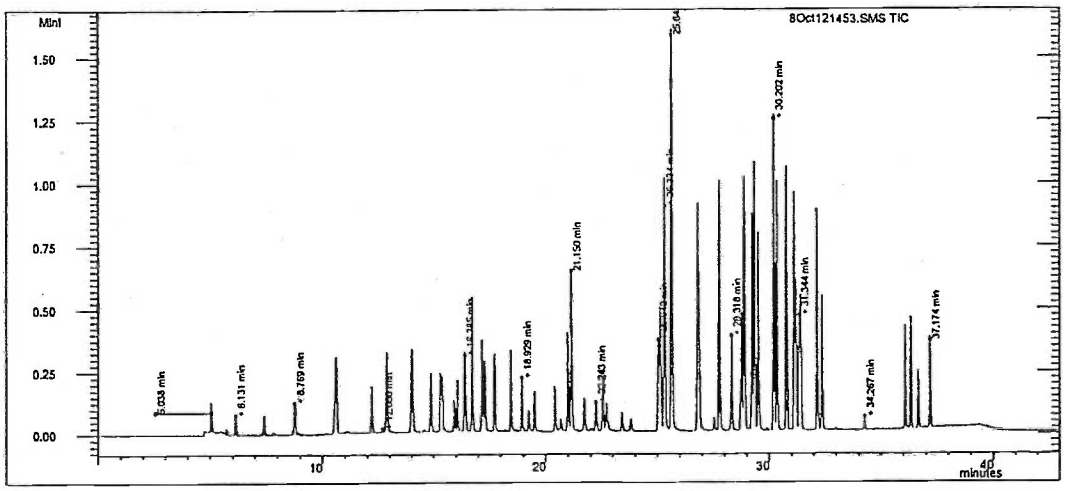
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.015	53.0	Acrylonitrile	988	8837	24.422
13.446	55.9+41.0	n-Hexane	994	526486	24.148
13.994	63.0	1,1-Dichloroethane	992	279421	22.417
14.030	45.0	Isopropyl ether	936	419792	22.954
14.164	53.0	Chloroprene	949	317142	22.690
14.042	43.0	Vinyl acetate	728		N/A
14.875	59.0	Ethyl-tert-butyl-ether	996	418244	23.772
15.303	77.0	2,2-Dichloropropane	999	199886	21.918
15.370	96.0	c-1,2-Dichloroethene	999	146342	22.254
15.466	43.0+72.0	2-Butanone (MEK)	834	19139	21.582
15.608	54.0+55.0	Propionitrile	984	20236	19.312
15.923	130.0+49.0	Bromochloromethane	994	175371	22.792
15.692	39.0+41.0+71.0	Tetrahydrofuran	280		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	361		N/A
16.069	83.0+85.0	Chloroform	969	437062	22.240
16.390	97.0+99.0	1,1,1-Trichloroethane	999	593317	23.491
16.420	111.0	Dibromofluoromethane (Surr1)	991	98264	23.721
16.718	117.0+119.0	Carbon Tetrachloride	994	515407	24.095
16.728	75.0	1,1-Dichloropropene	965	171688	22.585
17.016	41.0+39.0	Isobutyl alcohol	802		N/A
17.130	65.0	1,2-Dichloroethane-d4 (Surr2)	994	99641	21.620
17.180	78.0	Benzene	973	439123	22.177
17.288	62.0+64.0	1,2-Dichloroethane	980	203431	22.097
17.301	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	372352	22.059
18.450	130.0+132.0+95.0	Trichloroethene	999	520327	23.156
18.938	63.0+65.0	1,2-Dichloropropane	998	134116	22.534
19.045	41.0+39.0	Methyl methacrylate	804	130909	20.893
19.091	88.0	1,4-Dioxane	194		N/A
19.241	93.0+174.0	Dibromomethane	948	140854	24.501
19.517	83.0+85.0	Bromodichloromethane	999	288123	22.919
20.701	63.0+43.0	2-Chloroethyl vinyl ether	637	61277	22.968
20.432	75.0+77.0+39.0	c-1,3-Dichloropropene	997	353707	21.987
20.700	43.0+58.0	4-Methyl-2-pentanone	977	84249	23.353
21.001	98.0	Toluene-d8 (Surr3)	995	667712	24.472
21.162	92.0+91.0	Toluene	979	1.655E6	24.475
21.741	75.0+77.0	t-1,3-Dichloropropene	996	139304	22.508
21.760	69.0	Ethyl methacrylate	949	61248	24.017
22.255	97.0+99.0	1,1,2-Trichloroethane	994	146845	23.271
22.560	164.0+166.0	Tetrachloroethene	989	64363	23.771
22.721	76.0+41.0	1,3-Dichloropropane	984	211216	21.932
22.803	43.0+58.0+100.0	2-Hexanone	994	59500	21.105
23.424	129.0+127.0	Dibromochloromethane	997	169435	23.155
23.821	107.0+109.0	1,2-Dibromoethane	992	184133	23.015
24.895	91.0	1-Chlorohexane	360		N/A
25.143	112.0+114.0	Chlorobenzene	992	954703	24.725
25.335	106.0+91.0	Ethylbenzene	991	2.072E6	23.208
25.348	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	987	481362	23.864
25.657	106.0+91.0	p,m-Xylenes	996	4.377E6	48.835
26.821	106.0+91.0	o-Xylene	997	2.041E6	24.036
26.878	104.0+78.0	Styrene	989	1.117E6	23.360
27.564	171.0+173.0+175.0	Bromoform	997	114642	21.843

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.785	105.0+120.0	Isopropylbenzene	969	2.343E6	23.850
28.333	95.0	p-Bromofluorobenzene (Surr4)	975	348135	24.799
28.743	83.0+85.0	1,1,2,2-Tetrachloroethane	995	135104	19.993
28.886	75.0+110.0	1,2,3-Trichloropropane	903	103655	21.658
28.891	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	672	122894	21.995
28.100	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	927	88649	20.219
28.783	77.0+158.0	Bromobenzene	979	722002	22.280
28.905	91.0+120.0	n-Propylbenzene	982	2.740E6	24.560
29.238	91.0+126.0	2-Chlorotoluene	990	1.739E6	24.066
29.350	105.0+120.0	1,3,5-Trimethylbenzene	996	2.588E6	22.722
29.522	91.0+126.0	4-Chlorotoluene	988	1.701E6	24.297
30.216	119.0+91.0	tert-Butylbenzene	926	3.166E6	23.549
30.361	105.0+120.0	1,2,4-Trimethylbenzene	995	2.332E6	22.519
30.388	117.0	Pentachloroethane	970	116103	20.778
30.776	105.0+134.0	sec-Butylbenzene	980	2.607E6	23.880
31.119	119.0	4-Isopropyltoluene	919	2.003E6	24.841
31.198	146.0+148.0	1,3-Dichlorobenzene	994	1.045E6	22.573
31.419	146.0+148.0	1,4-Dichlorobenzene	994	941885	22.850
31.910	91.0	Benzyl Chloride	604		N/A
32.157	91.0+134.0	n-Butylbenzene	990	2.115E6	23.368
32.377	146.0+148.0	1,2-Dichlorobenzene	995	861076	22.813
34.279	75.0+157.0	1,2-Dibromo-3-chloropropane	988	56749	21.357
36.080	180.0+182.0	1,2,4-Trichlorobenzene	906	660638	22.394
36.342	225.0+226.0	Hexachlorobutadiene	968	445182	24.305
36.666	128.0	Naphthalene	998	344583	22.154
37.183	180.0+182.0	1,2,3-Trichlorobenzene	996	590112	22.917

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121453.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	25ppb 524.2 lcs 2	Acquisition Date:	10/17/2012 3:34:30 AM
Inj. Notes:	W#12090604	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.725	96.0+70.0	Fluorobenzene (IS1)	997	563570	25.000
25.042	117.0	Chlorobenzene-d5(IS2)	990	470406	25.000
31.344	152.0	1,4-Dichlorobenzene-d4(IS3)	986	268184	25.000
5.038	85.0	Dichlorodifluoromethane	987	186713	18.367
5.728	47.0+49.0+51.0	Chloromethane	874	54154	19.212
6.131	62.0+64.0	Vinyl Chloride	992	208784	24.117
7.422	94.0	Bromomethane	991	50152	24.842
7.834	49.0+45.0	Chloroethane	956	12620	20.302
8.769	101.0+103.0	Trichlorofluoromethane	994	488112	25.219
9.988	59.0	Ethyl ether	757	11	0.005
10.572	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	997	345390	23.093
10.619	61.0+96.0+98.0	1,1-Dichloroethene	998	562308	23.899
11.038	55.0+56.0	Acrolein	184		N/A
11.011	43.0+58.0	Acetone	803	16882	24.266
11.137	142.0	Iodomethane	974	25348	2.003
11.281	76.0	Carbon disulfide	683	1709	0.132
11.818	41.0+40.0	Acetonitrile	876		N/A
11.817	41.0+39.0	Allyl chloride	932		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	84		N/A
12.205	49.0	Methylene Chloride	985	260580	21.190
12.686	59.0	tert-Butanol	948	26395	119.693
12.853	73.0	Methyl-tert-butyl-ether (MTBE)	993	161808	21.817
12.884	61.0+96.0	t-1,2-Dichloroethene	955	437613	23.060

ALAB : 00289

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.028	53.0	Acrylonitrile	296		N/A
13.472	55.9+41.0	n-Hexane	862		N/A
13.992	63.0	1,1-Dichloroethane	998	276377	22.566
14.029	45.0	Isopropyl ether	942	420399	23.394
14.176	53.0	Chloroprene	230		N/A
14.042	43.0	Vinyl acetate	851		N/A
14.872	59.0	Ethyl-tert-butyl-ether	997	425620	24.619
15.297	77.0	2,2-Dichloropropane	999	197261	22.014
15.367	96.0	c-1,2-Dichloroethene	999	149644	23.159
15.456	43.0+72.0	2-Butanone (MEK)	797	16206	18.598
15.609	54.0+55.0	Propionitrile	258		N/A
15.920	130.0+49.0	Bromochloromethane	989	181441	23.999
15.692	39.0+41.0+71.0	Tetrahydrofuran	506		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	643		N/A
16.064	83.0+85.0	Chloroform	982	431016	22.320
16.385	97.0+99.0	1,1,1-Trichloroethane	998	599256	24.146
16.415	111.0	Dibromofluoromethane (Surr1)	995	95826	23.542
16.714	117.0+119.0	Carbon Tetrachloride	993	506653	24.106
16.721	75.0	1,1-Dichloropropene	978	162741	21.787
17.016	41.0+39.0	Isobutyl alcohol	407		N/A
17.124	65.0	1,2-Dichloroethane-d4 (Surr2)	988	94374	20.840
17.176	78.0	Benzene	971	435596	22.389
17.282	62.0+64.0	1,2-Dichloroethane	978	198736	21.969
17.293	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	369998	22.308
18.443	130.0+132.0+95.0	Trichloroethene	999	499555	22.404
18.930	63.0+65.0	1,2-Dichloropropane	998	133538	22.610
18.929	41.0+39.0	Methyl methacrylate	660	217979	35.058
19.091	88.0	1,4-Dioxane	412		N/A
19.235	93.0+174.0	Dibromomethane	944	134504	23.578
19.507	83.0+85.0	Bromodichloromethane	998	308172	24.704
20.690	63.0+43.0	2-Chloroethyl vinyl ether	648	61249	23.135
20.419	75.0+77.0+39.0	c-1,3-Dichloropropene	997	345968	21.672
20.688	43.0+58.0	4-Methyl-2-pentanone	973	84161	23.510
20.989	98.0	Toluene-d8 (Surr3)	990	662954	24.486
21.150	92.0+91.0	Toluene	980	1.630E6	24.289
21.728	75.0+77.0	t-1,3-Dichloropropene	810	134079	21.832
21.710	69.0	Ethyl methacrylate	589	3998	1.580
22.243	97.0+99.0	1,1,2-Trichloroethane	994	146334	23.370
22.545	164.0+166.0	Tetrachloroethene	991	59597	22.181
22.705	76.0+41.0	1,3-Dichloropropane	983	216355	22.639
22.788	43.0+58.0+100.0	2-Hexanone	981	59046	21.106
23.409	129.0+127.0	Dibromochloromethane	997	174212	23.992
23.805	107.0+109.0	1,2-Dibromoethane	996	182048	22.931
24.895	91.0	1-Chlorohexane	248		N/A
25.127	112.0+114.0	Chlorobenzene	991	935654	24.419
25.320	106.0+91.0	Ethylbenzene	992	1.887E6	21.396
25.334	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	985	475048	23.849
25.642	106.0+91.0	p,m-Xylenes	996	3.947E6	44.593
26.807	106.0+91.0	o-Xylene	997	1.912E6	22.799
26.864	104.0+78.0	Styrene	987	1.034E6	21.910
27.548	171.0+173.0+175.0	Bromoform	997	116215	22.423

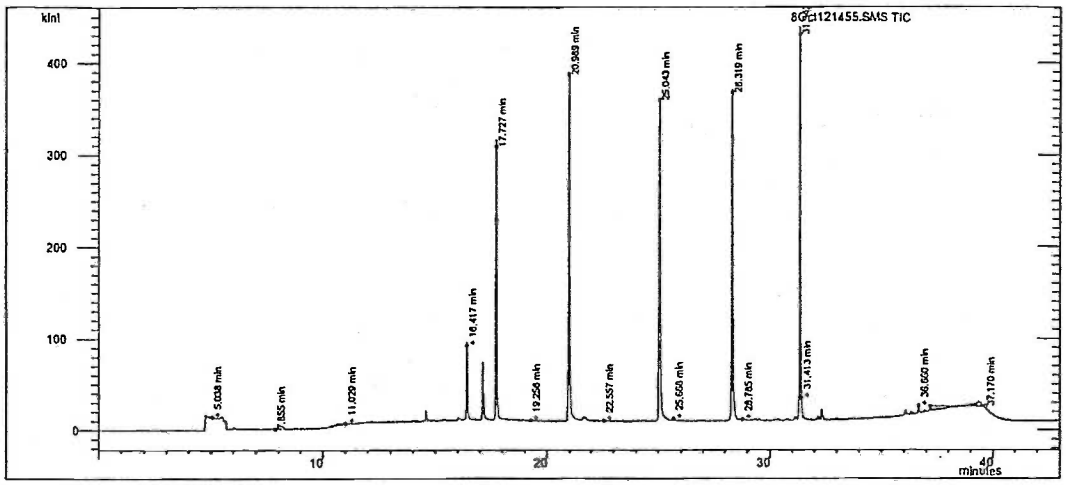
ALAB : 00290

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.771	105.0+120.0	Isopropylbenzene	969	2.052E6	21.155
28.318	95.0	p-Bromofluorobenzene (Surr4)	983	339391	24.482
28.728	83.0+85.0	1,1,2,2-Tetrachloroethane	994	138796	20.799
28.872	75.0+110.0	1,2,3-Trichloropropane	901	86115	18.221
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	294		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	751		N/A
28.771	77.0+158.0	Bromobenzene	973	651601	20.361
28.891	91.0+120.0	n-Propylbenzene	983	2.147E6	19.491
29.225	91.0+126.0	2-Chlorotoluene	989	1.577E6	22.108
29.336	105.0+120.0	1,3,5-Trimethylbenzene	995	2.145E6	19.072
29.508	91.0+126.0	4-Chlorotoluene	987	1.379E6	19.943
30.202	119.0+91.0	tert-Butylbenzene	918	2.622E6	19.749
30.346	105.0+120.0	1,2,4-Trimethylbenzene	995	1.877E6	18.351
30.345	117.0	Pentachloroethane	375	26780	4.853
30.762	105.0+134.0	sec-Butylbenzene	978	1.981E6	18.376
31.107	119.0	4-Isopropyltoluene	957	1.275E6	16.012
31.185	146.0+148.0	1,3-Dichlorobenzene	994	886851	19.391
31.406	146.0+148.0	1,4-Dichlorobenzene	994	734146	18.035
31.910	91.0	Benzyl Chloride	679		N/A
32.142	91.0+134.0	n-Butylbenzene	975	1.249E6	13.974
32.362	146.0+148.0	1,2-Dichlorobenzene	995	763997	20.497
34.267	75.0+157.0	1,2-Dibromo-3-chloropropane	988	54068	20.605
36.072	180.0+182.0	1,2,4-Trichlorobenzene	898	467250	16.039
36.330	225.0+226.0	Hexachlorobutadiene	970	202337	11.186
36.657	128.0	Naphthalene	998	313285	20.396
37.174	180.0+182.0	1,2,3-Trichlorobenzene	998	418531	16.459

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121455.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	Method Blank 2	Acquisition Date:	10/17/2012 5:08:25 AM
Inj. Notes:		Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.727	96.0+70.0	Fluorobenzene (IS1)	998	545055	25.000
25.043	117.0	Chlorobenzene-d5(IS2)	992	453168	25.000
31.342	152.0	1,4-Dichlorobenzene-d4(IS3)	987	261545	25.000
5.038	85.0	Dichlorodifluoromethane	746	354	0.036
5.713	47.0+49.0+51.0	Chloromethane	638	86	0.031
6.134	62.0+64.0	Vinyl Chloride	912		N/A
7.408	94.0	Bromomethane	860	42	0.021
7.855	49.0+45.0	Chloroethane	513		N/A
8.769	101.0+103.0	Trichlorofluoromethane	953	563	0.030
9.890	59.0	Ethyl ether	788	51	0.024
10.565	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	923	398	0.028
10.618	61.0+96.0+98.0	1,1-Dichloroethene	975	2047	0.090
11.038	55.0+56.0	Acrolein	310		N/A
11.029	43.0+58.0	Acetone	443	1294	1.923
11.129	142.0	Iodomethane	969	425	0.035
11.284	76.0	Carbon disulfide	740	594	0.047
11.818	41.0+40.0	Acetonitrile	612		N/A
11.817	41.0+39.0	Allyl chloride	858		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	169		N/A
12.206	49.0	Methylene Chloride	796	2495	0.210
12.701	59.0	tert-Butanol	229		N/A
12.868	73.0	Methyl-tert-butyl-ether (MTBE)	737	315	0.044
12.895	61.0+96.0	t-1,2-Dichloroethene	823	1394	0.076

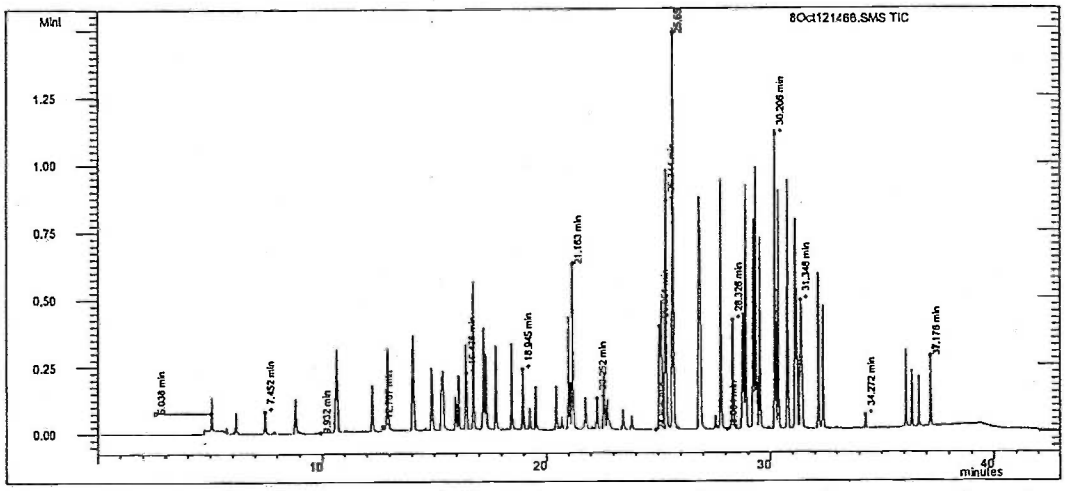
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.028	53.0	Acrylonitrile	566		N/A
13.472	55.9+41.0	n-Hexane	437		N/A
13.998	63.0	1,1-Dichloroethane	954	907	0.077
14.049	45.0	Isopropyl ether	692		N/A
14.176	53.0	Chloroprene	533		N/A
14.042	43.0	Vinyl acetate	864		N/A
14.879	59.0	Ethyl-tert-butyl-ether	567	296	0.018
15.302	77.0	2,2-Dichloropropane	800	318	0.037
15.381	96.0	c-1,2-Dichloroethene	855	1019	0.163
15.464	43.0+72.0	2-Butanone (MEK)	192		N/A
15.609	54.0+55.0	Propionitrile	195		N/A
15.937	130.0+49.0	Bromochloromethane	812	611	0.084
15.692	39.0+41.0+71.0	Tetrahydrofuran	404		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	506		N/A
16.075	83.0+85.0	Chloroform	857	1906	0.102
16.385	97.0+99.0	1,1,1-Trichloroethane	718	569	0.024
16.417	111.0	Dibromofluoromethane (Surr1)	992	92305	23.448
16.727	117.0+119.0	Carbon Tetrachloride	626		N/A
16.734	75.0	1,1-Dichloropropene	904		N/A
17.016	41.0+39.0	Isobutyl alcohol	595		N/A
17.131	65.0	1,2-Dichloroethane-d4 (Surr2)	996	101994	23.288
17.188	78.0	Benzene	724	959	0.051
17.302	62.0+64.0	1,2-Dichloroethane	603	906	0.104
17.300	73.0+55.0+87.0	tert-Amyl-methyl-ether	666		N/A
18.459	130.0+132.0+95.0	Trichloroethene	979	2349	0.109
18.944	63.0+65.0	1,2-Dichloropropane	496	350	0.062
18.939	41.0+39.0	Methyl methacrylate	494		N/A
19.091	88.0	1,4-Dioxane	478		N/A
19.256	93.0+174.0	Dibromomethane	888	449	0.082
19.513	83.0+85.0	Bromodichloromethane	712		N/A
20.682	63.0+43.0	2-Chloroethyl vinyl ether	357		N/A
20.453	75.0+77.0+39.0	c-1,3-Dichloropropene	367	446	0.029
20.679	43.0+58.0	4-Methyl-2-pentanone	233		N/A
20.989	98.0	Toluene-d8 (Surr3)	997	658597	25.250
21.162	92.0+91.0	Toluene	910	3527	0.055
21.721	75.0+77.0	t-1,3-Dichloropropene	593		N/A
21.740	69.0	Ethyl methacrylate	496		N/A
22.248	97.0+99.0	1,1,2-Trichloroethane	702		N/A
22.557	164.0+166.0	Tetrachloroethene	930	59	0.023
22.704	76.0+41.0	1,3-Dichloropropane	789		N/A
22.778	43.0+58.0+100.0	2-Hexanone	400		N/A
23.402	129.0+127.0	Dibromochloromethane	651		N/A
23.807	107.0+109.0	1,2-Dibromoethane	780		N/A
24.895	91.0	1-Chlorohexane	437		N/A
25.143	112.0+114.0	Chlorobenzene	744	834	0.023
25.344	106.0+91.0	Ethylbenzene	936	1700	0.020
25.325	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	600		N/A
25.668	106.0+91.0	p,m-Xylenes	970	4475	0.052
26.824	106.0+91.0	o-Xylene	899	2141	0.026
26.914	104.0+78.0	Styrene	893	794	0.017
27.550	171.0+173.0+175.0	Bromoform	715	61	0.012

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.783	105.0+120.0	Isopropylbenzene	917	1273	0.013
28.319	95.0	p-Bromofluorobenzene (Surr4)	978	328979	24.333
28.736	83.0+85.0	1,1,2,2-Tetrachloroethane	752		N/A
28.872	75.0+110.0	1,2,3-Trichloropropane	626		N/A
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	283		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	276		N/A
28.785	77.0+158.0	Bromobenzene	938	1657	0.053
28.906	91.0+120.0	n-Propylbenzene	927	2365	0.022
29.240	91.0+126.0	2-Chlorotoluene	924	1559	0.022
29.344	105.0+120.0	1,3,5-Trimethylbenzene	931	3242	0.030
29.534	91.0+126.0	4-Chlorotoluene	973	2964	0.044
30.206	119.0+91.0	tert-Butylbenzene	722	2793	0.022
30.358	105.0+120.0	1,2,4-Trimethylbenzene	983	5026	0.050
30.364	117.0	Pentachloroethane	467		N/A
30.763	105.0+134.0	sec-Butylbenzene	917	3125	0.030
31.110	119.0	4-Isopropyltoluene	909	3310	0.043
31.196	146.0+148.0	1,3-Dichlorobenzene	979	3801	0.085
31.413	146.0+148.0	1,4-Dichlorobenzene	556	3864	0.097
31.910	91.0	Benzyl Chloride	573		N/A
32.154	91.0+134.0	n-Butylbenzene	958	5542	0.064
32.369	146.0+148.0	1,2-Dichlorobenzene	954	3415	0.094
34.278	75.0+157.0	1,2-Dibromo-3-chloropropane	745	284	0.111
36.075	180.0+182.0	1,2,4-Trichlorobenzene	880	5983	0.211
36.329	225.0+226.0	Hexachlorobutadiene	961	1467	0.083
36.660	128.0	Naphthalene	994	11184	0.747
37.170	180.0+182.0	1,2,3-Trichlorobenzene	990	5183	0.209

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\VarianWS\data\8Oct12\8Oct121466.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	25ppb 524.2 lcs D	Acquisition Date:	10/17/2012 1:40:56 PM
Inj. Notes:	W#12090604	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.744	96.0+70.0	Fluorobenzene (IS1)	997	581402	25.000
25.051	117.0	Chlorobenzene-d5(IS2)	990	492823	25.000
31.348	152.0	1,4-Dichlorobenzene-d4(IS3)	987	265420	25.000
5.038	85.0	Dichlorodifluoromethane	989	189485	18.068
5.738	47.0+49.0+51.0	Chloromethane	874	55528	19.095
6.148	62.0+64.0	Vinyl Chloride	990	210686	23.591
7.452	94.0	Bromomethane	990	57235	27.481
7.868	49.0+45.0	Chloroethane	957	12930	20.163
8.806	101.0+103.0	Trichlorofluoromethane	997	488683	24.474
9.932	59.0	Ethyl ether	585		N/A
10.609	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	995	357711	23.184
10.656	61.0+96.0+98.0	1,1-Dichloroethene	998	563958	23.234
11.038	55.0+56.0	Acrolein	390		N/A
11.042	43.0+58.0	Acetone	887	16477	22.958
11.170	142.0	Iodomethane	964	8061	0.617
11.311	76.0	Carbon disulfide	717	1235	0.093
11.818	41.0+40.0	Acetonitrile	314		N/A
11.817	41.0+39.0	Allyl chloride	812		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	357		N/A
12.237	49.0	Methylene Chloride	987	257702	20.313
12.707	59.0	tert-Butanol	961	27081	119.037
12.879	73.0	Methyl-tert-butyl-ether (MTBE)	984	165068	21.574
12.915	61.0+96.0	t-1,2-Dichloroethene	952	437578	22.351

ALAB : 00295

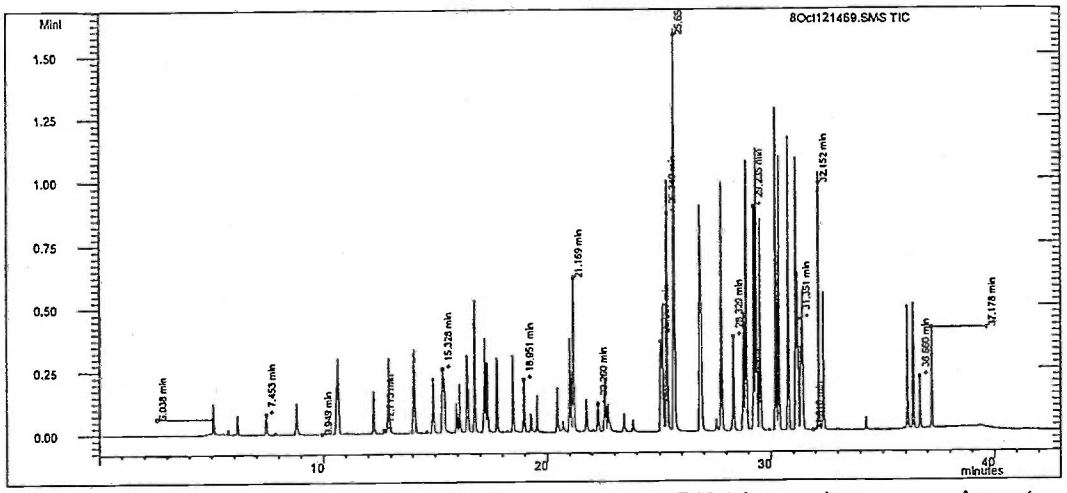
RT	Quan Ions	Compound Name	R.Match	Area	Amount
12.676	53.0	Acrylonitrile	301	2668	7.272
13.472	55.9+41.0	n-Hexane	930		N/A
14.020	63.0	1,1-Dichloroethane	993	274708	21.741
14.054	45.0	Isopropyl ether	944	431670	23.285
14.176	53.0	Chloroprene	70		N/A
14.042	43.0	Vinyl acetate	864		N/A
14.896	59.0	Ethyl-tert-butyl-ether	997	426748	23.927
15.324	77.0	2,2-Dichloropropane	999	162009	17.525
15.390	96.0	c-1,2-Dichloroethene	998	147689	22.155
15.483	43.0+72.0	2-Butanone (MEK)	779	16115	17.927
15.483	54.0+55.0	Propionitrile	556	110	0.104
15.943	130.0+49.0	Bromochloromethane	995	177181	22.716
15.692	39.0+41.0+71.0	Tetrahydrofuran	566		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	582		N/A
16.086	83.0+85.0	Chloroform	983	428125	21.491
16.407	97.0+99.0	1,1,1-Trichloroethane	999	601352	23.488
16.438	111.0	Dibromofluoromethane (Surr1)	996	99606	23.720
16.736	117.0+119.0	Carbon Tetrachloride	997	502666	23.182
16.743	75.0	1,1-Dichloropropene	972	162762	21.121
17.016	41.0+39.0	Isobutyl alcohol	389		N/A
17.145	65.0	1,2-Dichloroethane-d4 (Surr2)	989	99445	21.286
17.196	78.0	Benzene	974	450109	22.425
17.301	62.0+64.0	1,2-Dichloroethane	980	202470	21.695
17.311	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	374810	21.905
18.459	130.0+132.0+95.0	Trichloroethene	999	498273	21.330
18.946	63.0+65.0	1,2-Dichloropropane	998	133047	21.502
18.945	41.0+39.0	Methyl methacrylate	622	219052	33.628
19.091	88.0	1,4-Dioxane	504		N/A
19.250	93.0+174.0	Dibromomethane	953	134384	22.485
19.521	83.0+85.0	Bromodichloromethane	999	297867	22.792
20.702	63.0+43.0	2-Chloroethyl vinyl ether	571	60693	21.882
20.435	75.0+77.0+39.0	c-1,3-Dichloropropene	997	327573	19.587
20.701	43.0+58.0	4-Methyl-2-pentanone	975	83173	22.177
21.001	98.0	Toluene-d8 (Surr3)	996	705990	24.889
21.163	92.0+91.0	Toluene	980	1.598E6	22.732
21.741	75.0+77.0	t-1,3-Dichloropropene	827	123545	19.201
21.721	69.0	Ethyl methacrylate	621	3769	1.422
22.252	97.0+99.0	1,1,2-Trichloroethane	994	146176	22.283
22.558	164.0+166.0	Tetrachloroethene	990	59004	20.962
22.717	76.0+41.0	1,3-Dichloropropane	983	212324	21.207
22.799	43.0+58.0+100.0	2-Hexanone	983	56270	19.199
23.420	129.0+127.0	Dibromochloromethane	997	170594	22.425
23.816	107.0+109.0	1,2-Dibromoethane	994	181857	21.865
24.895	91.0	1-Chlorohexane	310		N/A
25.136	112.0+114.0	Chlorobenzene	991	901962	22.469
25.328	106.0+91.0	Ethylbenzene	993	1.796E6	20.585
25.344	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	986	473756	24.031
25.650	106.0+91.0	p,m-Xylenes	996	3.716E6	42.425
26.815	106.0+91.0	o-Xylene	997	1.808E6	21.784
26.871	104.0+78.0	Styrene	987	952126	20.379
27.556	171.0+173.0+175.0	Bromoform	997	115937	22.602

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.777	105.0+120.0	Isopropylbenzene	969	1.881E6	19.586
28.326	95.0	p-Bromofluorobenzene (Surr4)	990	346221	25.234
28.735	83.0+85.0	1,1,2,2-Tetrachloroethane	994	139176	21.073
28.877	75.0+110.0	1,2,3-Trichloropropane	904	86326	18.456
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	296		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	364		N/A
28.777	77.0+158.0	Bromobenzene	982	624273	19.711
28.897	91.0+120.0	n-Propylbenzene	982	1.844E6	16.915
29.231	91.0+126.0	2-Chlorotoluene	990	1.442E6	20.422
29.342	105.0+120.0	1,3,5-Trimethylbenzene	995	1.941E6	17.436
29.515	91.0+126.0	4-Chlorotoluene	987	1.214E6	17.737
30.206	119.0+91.0	tert-Butylbenzene	908	2.333E6	17.759
30.350	105.0+120.0	1,2,4-Trimethylbenzene	994	1.625E6	16.052
30.351	117.0	Pentachloroethane	378	22039	4.036
30.766	105.0+134.0	sec-Butylbenzene	975	1.661E6	15.566
31.111	119.0	4-Isopropyltoluene	915	1.000E6	12.689
31.189	146.0+148.0	1,3-Dichlorobenzene	994	762122	16.837
31.410	146.0+148.0	1,4-Dichlorobenzene	994	615995	15.291
31.910	91.0	Benzyl Chloride	325		N/A
32.146	91.0+134.0	n-Butylbenzene	974	856656	9.685
32.368	146.0+148.0	1,2-Dichlorobenzene	994	659842	17.887
34.272	75.0+157.0	1,2-Dibromo-3-chloropropane	989	52169	20.089
36.075	180.0+182.0	1,2,4-Trichlorobenzene	900	328398	11.390
36.336	225.0+226.0	Hexachlorobutadiene	966	101639	5.678
36.660	128.0	Naphthalene	998	251281	16.530
37.176	180.0+182.0	1,2,3-Trichlorobenzene	996	307819	12.231

524 Volatile Organics

Associated Labs
GCMS#8

Data File Name:	c:\varianws\data\8oct12\8Oct121469.SMS	Calc Method:	C:\VarianWS\Methods\calculation method 2010\ms8_524_101112.mth
Sample Name:	25ppb 524.2 lcs D	Acquisition Date:	10/17/2012 4:13:30 PM
Inj. Notes:	W#12090604	Operator Name:	LZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
17.751	96.0+70.0	Fluorobenzene (IS1)	997	555550	25.000
25.057	117.0	Chlorobenzene-d5(IS2)	987	460364	25.000
31.351	152.0	1,4-Dichlorobenzene-d4(IS3)	985	254380	25.000
5.038	85.0	Dichlorodifluoromethane	997	181724	18.134
5.737	47.0+49.0+51.0	Chloromethane	897	52332	18.833
6.148	62.0+64.0	Vinyl Chloride	984	203288	23.822
7.453	94.0	Bromomethane	986	55477	27.876
7.865	49.0+45.0	Chloroethane	954	13074	21.335
8.808	101.0+103.0	Trichlorofluoromethane	998	470467	24.658
9.949	59.0	Ethyl ether	730	79	0.036
10.615	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	993	345507	23.435
10.661	61.0+96.0+98.0	1,1-Dichloroethene	998	536086	23.113
11.038	55.0+56.0	Acrolein	370		N/A
11.051	43.0+58.0	Acetone	920	14302	20.854
11.175	142.0	Iodomethane	969	6382	0.512
11.320	76.0	Carbon disulfide	706	1364	0.107
11.818	41.0+40.0	Acetonitrile	841		N/A
11.817	41.0+39.0	Allyl chloride	836		N/A
11.794	45.0	Isopropyl alcohol (2-Propanol)	568		N/A
12.242	49.0	Methylene Chloride	994	245770	20.274
12.713	59.0	tert-Butanol	992	24400	112.245
12.885	73.0	Methyl-tert-butyl-ether (MTBE)	998	163000	22.295
12.922	61.0+96.0	t-1,2-Dichloroethene	959	428696	22.916

ALAB : 00298

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.028	53.0	Acrylonitrile	293		N/A
13.472	55.9+41.0	n-Hexane	908		N/A
14.028	63.0	1,1-Dichloroethane	997	261999	21.700
14.060	45.0	Isopropyl ether	942	399620	22.559
14.176	53.0	Chloroprene	458		N/A
14.042	43.0	Vinyl acetate	723		N/A
14.902	59.0	Ethyl-tert-butyl-ether	998	407720	23.924
15.328	77.0	2,2-Dichloropropane	999	214955	24.334
15.396	96.0	c-1,2-Dichloroethene	998	145745	22.881
15.497	43.0+72.0	2-Butanone (MEK)	792	14855	17.294
15.497	54.0+55.0	Propionitrile	621	204	0.201
15.948	130.0+49.0	Bromochloromethane	994	169013	22.677
15.692	39.0+41.0+71.0	Tetrahydrofuran	527		N/A
15.748	39.0+41.0+67.0	Methacrylonitrile	554		N/A
16.093	83.0+85.0	Chloroform	983	415374	21.821
16.413	97.0+99.0	1,1,1-Trichloroethane	999	586250	23.963
16.444	111.0	Dibromofluoromethane (Surr1)	993	96063	23.941
16.741	117.0+119.0	Carbon Tetrachloride	996	493795	23.833
16.748	75.0	1,1-Dichloropropene	969	159521	21.664
17.016	41.0+39.0	Isobutyl alcohol	373		N/A
17.151	65.0	1,2-Dichloroethane-d4 (Surr2)	996	94308	21.126
17.201	78.0	Benzene	975	432805	22.566
17.307	62.0+64.0	1,2-Dichloroethane	978	198779	22.291
17.319	73.0+55.0+87.0	tert-Amyl-methyl-ether	998	370529	22.663
18.466	130.0+132.0+95.0	Trichloroethene	999	483364	22.151
18.952	63.0+65.0	1,2-Dichloropropane	999	128114	22.165
18.951	41.0+39.0	Methyl methacrylate	725	208742	34.305
19.091	88.0	1,4-Dioxane	342		N/A
19.257	93.0+174.0	Dibromomethane	944	128036	22.933
19.529	83.0+85.0	Bromodichloromethane	998	295195	24.180
20.708	63.0+43.0	2-Chloroethyl vinyl ether	674	55948	21.594
20.440	75.0+77.0+39.0	c-1,3-Dichloropropene	999	347119	22.219
20.709	43.0+58.0	4-Methyl-2-pentanone	987	77065	21.997
21.009	98.0	Toluene-d8 (Surr3)	990	645086	24.345
21.169	92.0+91.0	Toluene	979	1.562E6	23.787
21.749	75.0+77.0	t-1,3-Dichloropropene	880	135850	22.603
21.728	69.0	Ethyl methacrylate	673	3741	1.511
22.260	97.0+99.0	1,1,2-Trichloroethane	993	144129	23.520
22.565	164.0+166.0	Tetrachloroethene	987	59436	22.604
22.724	76.0+41.0	1,3-Dichloropropane	984	209545	22.405
22.805	43.0+58.0+100.0	2-Hexanone	983	52562	19.198
23.427	129.0+127.0	Dibromochloromethane	997	166678	23.455
23.822	107.0+109.0	1,2-Dibromoethane	995	175619	22.603
24.895	91.0	1-Chlorohexane	397		N/A
25.142	112.0+114.0	Chlorobenzene	992	924289	24.648
25.334	106.0+91.0	Ethylbenzene	992	1.863E6	22.269
25.349	131.0+117.0+133.0	1,1,1,2-Tetrachloroethane	985	461503	24.426
25.655	106.0+91.0	p,m-Xylenes	996	3.935E6	46.869
26.817	106.0+91.0	o-Xylene	997	1.907E6	23.977
26.875	104.0+78.0	Styrene	988	1.022E6	22.819
27.560	171.0+173.0+175.0	Bromoform	997	108447	22.060

RT	Quan Ions	Compound Name	R.Match	Area	Amount
27.780	105.0+120.0	Isopropylbenzene	969	2.066E6	22.447
28.329	95.0	p-Bromofluorobenzene (Surr4)	987	326371	24.820
28.740	83.0+85.0	1,1,2,2-Tetrachloroethane	995	133882	21.151
28.882	75.0+110.0	1,2,3-Trichloropropane	886	83939	18.724
28.879	88.0+89.0+53.0	trans-1,4-Dichloro-2-butene	290		N/A
28.084	75.0+88.0+53.0	cis-1,4-Dichloro-2-butene	534		N/A
28.781	77.0+158.0	Bromobenzene	981	688958	22.697
28.901	91.0+120.0	n-Propylbenzene	982	2.210E6	21.153
29.235	91.0+126.0	2-Chlorotoluene	990	1.636E6	24.179
29.345	105.0+120.0	1,3,5-Trimethylbenzene	996	2.277E6	21.345
29.518	91.0+126.0	4-Chlorotoluene	987	1.481E6	22.579
30.210	119.0+91.0	tert-Butylbenzene	918	2.703E6	21.468
30.354	105.0+120.0	1,2,4-Trimethylbenzene	994	2.054E6	21.174
30.357	117.0	Pentachloroethane	376	25877	4.944
30.770	105.0+134.0	sec-Butylbenzene	978	2.077E6	20.311
31.113	119.0	4-Isopropyltoluene	919	1.389E6	18.393
31.192	146.0+148.0	1,3-Dichlorobenzene	994	959879	22.127
31.415	146.0+148.0	1,4-Dichlorobenzene	994	806233	20.881
31.910	91.0	Benzyl Chloride	722		N/A
32.152	91.0+134.0	n-Butylbenzene	989	1.442E6	17.016
32.370	146.0+148.0	1,2-Dichlorobenzene	994	785423	22.215
34.276	75.0+157.0	1,2-Dibromo-3-chloropropane	989	51172	20.560
36.080	180.0+182.0	1,2,4-Trichlorobenzene	906	551216	19.948
36.339	225.0+226.0	Hexachlorobutadiene	976	234474	13.667
36.660	128.0	Naphthalene	998	303306	20.818
37.178	180.0+182.0	1,2,3-Trichlorobenzene	995	473009	19.611

****

Varian Star Workstation - RecalcList Thu Oct 11 08:00:14 2012

RecalcList: C:\VarianWS\8260list.rcl

Created: Tue Nov 18 08:23:28 2008
Modified: Thu Oct 11 08:00:07 2012

MS8-524-101112 mth

****

Line	Sample Name	Data File
1	tune	c:\varianws\data\8oct12\8Oct121246.SMS
2	rinse	c:\varianws\data\8oct12\8Oct121247.SMS
3	mb	c:\varianws\data\8oct12\8Oct121248.SMS
4	0.5ppb 524.2 ic	c:\varianws\data\8oct12\8Oct121249.SMS
5	2.5ppb 524.2 ic	c:\varianws\data\8oct12\8Oct121250.SMS
6	10ppb 524.2 ic	c:\varianws\data\8oct12\8Oct121251.SMS
7	25ppb 524.2 ic	c:\varianws\data\8oct12\8Oct121252.SMS
8	50ppb 524.2 ic	c:\varianws\data\8oct12\8Oct121253.SMS
9	75ppb 524.2 ic	c:\varianws\data\8oct12\8Oct121254.SMS
10	100ppb 524.2 ic	c:\varianws\data\8oct12\8Oct121255.SMS
11	125ppb 524.2 ic	c:\varianws\data\8oct12\8Oct121256.SMS
12	rinse	c:\varianws\data\8oct12\8Oct121257.SMS
13	rinse	c:\varianws\data\8oct12\8Oct121258.SMS
14	10ppb 524.2 tune 1	c:\varianws\data\8oct12\8Oct121259.SMS
15	25ppb 524.2 ccv 1	c:\varianws\data\8oct12\8Oct121260.SMS
16	25ppb 524.2 lcs 1	c:\varianws\data\8oct12\8Oct121261.SMS
17	rinse	c:\varianws\data\8oct12\8Oct121262.SMS
18	Method Blank 1	c:\varianws\data\8oct12\8Oct121263.SMS
19	311666-001_10ml-2	c:\varianws\data\8oct12\8Oct121264.SMS
20	311416-001_10ml-2	c:\varianws\data\8oct12\8Oct121265.SMS
21	311726-001_10ml-2	c:\varianws\data\8oct12\8Oct121266.SMS
22	311726-017_10ml-2	c:\varianws\data\8oct12\8Oct121267.SMS
23	311668-005_250ul-3	c:\varianws\data\8oct12\8Oct121268.SMS
24	311668-006_250ul-3	c:\varianws\data\8oct12\8Oct121269.SMS
25	311668-008_100ul-3	c:\varianws\data\8oct12\8Oct121270.SMS
26	311668-007_5ml-3	c:\varianws\data\8oct12\8Oct121271.SMS

VOLATILE ORGANICS INITIAL CALIBRATION DATA

EPA Method 8260A

Lab Name: Associated Labs Contract:

Lab Code: # 8 Case No.: SAS No: SDG No:

Instrument ID: GCMS #8 Cal. Sample Date(s): 10/10/2012 10/10/2012

Cal. Sample Time(s): 14:21 19:39

Calibration File: C:\VarianWS\data\8Oct12\8Oct121256.SMS

Index: 1	Level: 1	Replicate: 1	Acquired: 10/10/2012 14:21	File: C:\VarianWS\data\8Oct12\8Oct121249.SMS
Index: 2	Level: 2	Replicate: 1	Acquired: 10/10/2012 15:06	File: C:\VarianWS\data\8Oct12\8Oct121250.SMS
Index: 3	Level: 3	Replicate: 1	Acquired: 10/10/2012 15:51	File: C:\VarianWS\data\8Oct12\8Oct121251.SMS
Index: 4	Level: 4	Replicate: 1	Acquired: 10/10/2012 16:37	File: C:\VarianWS\data\8Oct12\8Oct121252.SMS
Index: 5	Level: 5	Replicate: 1	Acquired: 10/10/2012 17:22	File: C:\VarianWS\data\8Oct12\8Oct121253.SMS
Index: 6	Level: 6	Replicate: 1	Acquired: 10/10/2012 18:08	File: C:\VarianWS\data\8Oct12\8Oct121254.SMS
Index: 7	Level: 7	Replicate: 1	Acquired: 10/10/2012 18:53	File: C:\VarianWS\data\8Oct12\8Oct121255.SMS
Index: 8	Level: 8	Replicate: 1	Acquired: 10/10/2012 19:39	File: C:\VarianWS\data\8Oct12\8Oct121256.SMS

RRF = (Area(sample)/(Amount(sample))/(Area(standard)/Amount(standard))

Compound	RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	Avg RRF	% RSD
Dichlorodifluoromethane	0.500	0.502	0.477	0.452	0.464	0.450	0.434	0.443	0.465	5.5
Chloromethane	0.119	0.125	0.135	0.125	0.129	0.123	0.119	0.125	0.125	4.1
Vinyl Chloride	0.389	0.403	0.406	0.381	0.392	0.375	0.360	0.367	0.384	4.3
Bromomethane	0.068	0.060	0.096	0.097	0.107	0.105	0.099	0.084	0.090	19.4
Chloroethane	0.025	0.022	0.027	0.027	0.030	0.030	0.030	0.030	0.028	10.1
Trichlorofluoromethane	0.895	0.879	0.910	0.850	0.872	0.843	0.802	0.818	0.859	4.3
Ethyl ether	0.095	0.103	0.108	0.102	0.099	0.098	0.092	0.094	0.099	5.4
Trichlorotrifluoroethane (Freon 113)	0.638	0.670	0.708	0.660	0.670	0.664	0.636	0.662	0.663	3.4
1,1-Dichloroethene	1.195	1.091	1.088	1.011	1.032	0.992	0.954	0.988	1.044	7.4
Acetone		0.056	0.039	0.032	0.030	0.029	0.027	0.028	0.034	29.7
Iodomethane	0.511	0.492	0.546	0.521	0.587	0.613	0.590	0.631	0.561	9.0
Carbon disulfide	0.646	0.613	0.597	0.555	0.568	0.551	0.525	0.535	0.574	7.2

Compound	RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	Avg RRF	% RSD
Acetonitrile	0.571	0.544	0.570	0.557	0.582	0.563	0.553	0.565	0.563	2.1
Allyl chloride	0.952	1.096	1.109	1.092	1.119	1.085	1.045	1.063	1.070	5.0
Methylene Chloride	0.751	0.575	0.530	0.504	0.501	0.505	0.484	0.516	0.546	16.0
tert-Butanol	0.011	0.009	0.011	0.010	0.009	0.009	0.009	0.009	0.010	9.8
Methyl-tert-butyl-ether (MTBE)	0.342	0.315	0.345	0.320	0.324	0.331	0.316	0.338	0.329	3.5
t-1,2-Dichloroethene	0.921	0.891	0.901	0.839	0.842	0.802	0.760	0.777	0.842	7.0
Acrylonitrile	0.005	0.011	0.018	0.018	0.019	0.019	0.018	0.019	0.016	33.2
n-Hexane	0.919	0.970	1.007	0.952	0.978	0.942	0.892	0.944	0.950	3.7
1,1-Dichloroethane	0.623	0.566	0.577	0.520	0.539	0.522	0.496	0.502	0.543	7.9
Isopropyl ether	0.871	0.874	0.889	0.806	0.783	0.763	0.692	0.700	0.797	9.7
Chloroprene	0.475	0.572	0.613	0.617	0.657	0.641	0.629	0.670	0.609	10.2
Ethyl-tert-butyl-ether	0.814	0.828	0.882	0.783	0.755	0.733	0.667	0.672	0.767	9.8
2,2-Dichloropropane	0.441	0.421	0.423	0.388	0.399	0.386	0.384	0.405	0.406	5.1
c-1,2-Dichloroethene	0.300	0.280	0.295	0.284	0.289	0.283	0.272	0.290	0.287	3.1
2-Butanone (MEK)		0.012	0.036	0.042	0.044	0.046	0.045	0.046	0.039	32.0
Propionitrile			0.004	0.037	0.051	0.060	0.058	0.064	0.046	49.5
Bromochloromethane	0.361	0.343	0.349	0.340	0.333	0.333	0.304	0.319	0.335	5.2
Chloroform	0.975	0.891	0.880	0.819	0.841	0.822	0.797	0.827	0.857	6.7
1,1,1-Trichloroethane	0.904	0.957	1.097	1.100	1.178	1.169	1.158	1.245	1.101	10.5
Dibromofluoromethane (Surr1)	0.183	0.181	0.185	0.185	0.182	0.180	0.178	0.171	0.181	2.5
Carbon Tetrachloride	0.910	0.920	0.956	0.917	0.946	0.929	0.918	0.963	0.932	2.2
1,1-Dichloropropene	0.330	0.323	0.327	0.323	0.332	0.331	0.331	0.354	0.331	2.9
1,2-Dichloroethane-d4 (Surr2)	0.217	0.211	0.210	0.199	0.196	0.193	0.190	0.192	0.201	5.1
Benzene	0.864	0.843	0.865	0.838	0.878	0.877	0.846	0.894	0.863	2.3
1,2-Dichloroethane	0.479	0.452	0.453	0.409	0.394	0.368	0.327	0.328	0.401	14.4
tert-Amyl-methyl-ether	0.772	0.742	0.800	0.746	0.736	0.718	0.668	0.705	0.736	5.5
Trichloroethene	1.237	1.174	1.176	1.139	1.188	1.182	1.174	1.211	1.185	2.5
1,2-Dichloropropane	0.343	0.327	0.327	0.306	0.311	0.310	0.290	0.298	0.314	5.5
Methyl methacrylate	0.503	0.187	0.307	0.328	0.333	0.342	0.315	0.329	0.330	25.9
Dibromomethane	0.283	0.320	0.322	0.299	0.309	0.305	0.288	0.300	0.303	4.5
Bromodichloromethane	0.622	0.654	0.683	0.645	0.672	0.679	0.661	0.688	0.663	3.4
2-Chloroethyl vinyl ether	0.105	0.122	0.162	0.151	0.149	0.151	0.139	0.145	0.141	13.1
c-1,3-Dichloropropene	0.718	0.803	0.892	0.862	0.888	0.898	0.848	0.877	0.848	7.2
4-Methyl-2-pentanone	0.146	0.159	0.223	0.207	0.201	0.204	0.188	0.194	0.190	13.4

Compound	RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	Avg RRF	% RSD
Toluene-d8 (Surr3)	1.452	1.427	1.445	1.439	1.442	1.445	1.435	1.427	1.439	0.6
Toluene	3.619	3.496	3.628	3.500	3.582	3.623	3.483	3.603	3.567	1.8
t-1,3-Dichloropropene	0.239	0.282	0.343	0.340	0.352	0.364	0.339	0.352	0.326	13.3
Ethyl methacrylate	0.070	0.112	0.149	0.144	0.146	0.154	0.144	0.157	0.134	22.1
1,1,2-Trichloroethane	0.299	0.309	0.351	0.334	0.343	0.353	0.331	0.342	0.333	5.9
Tetrachloroethene	0.131	0.147	0.148	0.144	0.147	0.144	0.140	0.141	0.143	3.9
1,3-Dichloropropane	0.453	0.466	0.525	0.498	0.522	0.542	0.520	0.538	0.508	6.5
2-Hexanone		0.063	0.149	0.157	0.159	0.174	0.165	0.173	0.149	26.2
Dibromochloromethane	0.351	0.391	0.416	0.381	0.390	0.395	0.377	0.387	0.386	4.8
1,2-Dibromoethane	0.365	0.383	0.450	0.420	0.431	0.451	0.429	0.446	0.422	7.6
Chlorobenzene	1.876	1.977	2.126	2.030	2.063	2.100	2.035	2.084	2.036	3.9
Ethylbenzene	7.545	8.139	8.570	8.249	8.572	8.338	8.092	8.253	8.220	4.0
1,1,1,2-Tetrachloroethane	1.763	2.035	2.165	2.014	1.939	1.806	1.615	1.518	1.857	11.9
p,m-Xylenes	7.714	8.211	8.696	8.288	8.502	8.350	8.046	8.197	8.250	3.6
o-Xylene	7.424	7.767	8.216	7.848	7.989	7.922	7.617	7.758	7.818	3.1
Styrene	3.521	4.124	4.738	4.520	4.680	4.586	4.463	4.571	4.401	9.1
Bromoform	0.449	0.503	0.527	0.481	0.486	0.485	0.465	0.468	0.483	4.9
Isopropylbenzene	8.326	8.975	9.729	9.119	9.272	8.998	8.965	8.967	9.044	4.3
p-Bromofluorobenzene (Surr4)	1.300	1.287	1.319	1.295	1.297	1.297	1.280	1.263	1.292	1.3
1,1,2,2-Tetrachloroethane	0.633	0.629	0.665	0.616	0.610	0.620	0.602	0.602	0.622	3.3
1,2,3-Trichloropropane	0.430	0.478	0.503	0.479	0.441	0.437	0.385	0.373	0.441	10.3
trans-1,4-Dichloro-2-butene	0.419	0.473	0.538	0.533	0.544	0.553	0.524	0.532	0.514	8.8
cis-1,4-Dichloro-2-butene	0.196	0.308	0.429	0.437	0.461	0.473	0.462	0.462	0.404	24.6
Bromobenzene	2.853	2.927	3.125	2.912	3.111	3.063	2.908	2.967	2.983	3.5
n-Propylbenzene	9.627	10.187	10.722	10.264	10.441	10.249	10.267	10.400	10.269	3.0
2-Chlorotoluene	6.304	6.580	6.866	6.791	6.531	6.785	6.613	6.738	6.651	2.7
1,3,5-Trimethylbenzene	10.396	10.983	11.357	10.639	10.624	10.082	9.879	9.911	10.484	5.0
4-Chlorotoluene	6.314	6.313	6.786	6.418	6.395	6.531	6.347	6.468	6.447	2.4
tert-Butylbenzene	12.285	12.835	13.506	12.340	12.474	11.893	11.965	11.706	12.375	4.7
1,2,4-Trimethylbenzene	9.548	9.240	9.925	9.418	9.612	9.300	9.564	9.656	9.533	2.3
Pentachloroethane	0.603	0.541	0.594	0.549	0.515	0.487	0.425	0.401	0.514	14.2
sec-Butylbenzene	9.677	10.283	10.900	9.954	10.082	9.679	9.903	9.921	10.050	3.9
4-Isopropyltoluene	7.583	7.719	7.989	7.412	7.175	6.948	7.293	7.271	7.424	4.4
1,3-Dichlorobenzene	4.476	4.440	4.659	4.278	4.186	4.025	4.009	4.035	4.263	5.7

Compound	RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	Avg RRF	% RSD
1,4-Dichlorobenzene	3.799	3.608	4.040	3.827	3.812	3.678	3.788	3.805	3.795	3.3
n-Butylbenzene	7.816	8.230	8.682	8.309	8.253	7.978	8.698	8.684	8.331	4.0
1,2-Dichlorobenzene	3.660	3.486	3.692	3.399	3.414	3.325	3.374	3.448	3.475	3.8
1,2-Dibromo-3-chloropropane	0.235	0.241	0.257	0.243	0.242	0.252	0.239	0.248	0.245	2.9
1,2,4-Trichlorobenzene	2.789	2.719	2.919	2.772	2.632	2.496	2.710	2.690	2.716	4.5
Hexachlorobutadiene	2.089	1.923	1.950	1.767	1.536	1.404	1.643	1.579	1.737	13.6
Naphthalene	1.465	1.319	1.439	1.373	1.404	1.411	1.464	1.578	1.432	5.4
1,2,3-Trichlorobenzene	2.073	2.345	2.605	2.447	2.360	2.257	2.406	2.469	2.370	6.6
									Average %RSD	8.0

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

EPA Method 8260A

Lab Name: Associated Labs Contract:

Lab Code: # 8 Case No.: SAS No: SDG No:

Lab File ID (CONTROL): C:\VarianWS\data\8Oct12\8Oct121251.SMS Lab Sample ID: 10ppb 524.2 ic

Instrument ID: GCMS #8 Date Analyzed: 10/10/2012 Time Analyzed: 15:51

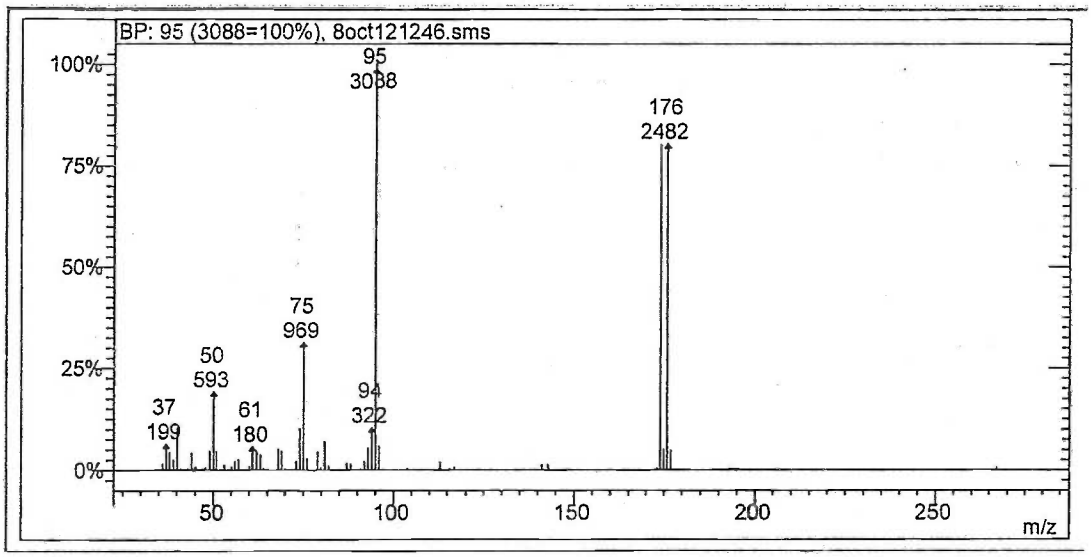
	AREA # IS1	RT #	AREA # IS2	RT #	AREA # IS3	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	467355	17.74	402364	25.04	215704	31.34						
UPPER LIMIT	934710	18.24	804728	25.54	431408	31.84						
LOWER LIMIT	233678	17.24	201182	24.54	107852	30.84						
EPA SAMPLE NO												
8Oct121249	487519	17.74	409337	25.05	216923	31.34						
8Oct121250	476835	17.74	411245	25.04	217631	31.34						
8Oct121252	487235	17.74	413276	25.04	221474	31.34						
8Oct121253	488626	17.74	406712	25.05	216485	31.34						
8Oct121254	511599	17.73	415694	25.04	229250	31.33						
8Oct121255	560925	17.73	454505	25.04	249970	31.33						
8Oct121256	540385	17.73	443245	25.03	249323	31.33						
8Oct121260	505046	17.73	419281	25.03	223953	31.33						

	AREA #	RT	#	AREA #	RT	#	AREA #	RT	#	AREA #	RT	#	AREA #	RT	#	AREA #	RT	#
IS1				IS2			IS3											

IS 1 = Fluorobenzene (IS1)
IS 2 = Chlorobenzene-d5(IS2)
IS 3 = 1,4-Dichlorobenzene-d4(IS3)

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT =+0.50 minutes of internal standard RT
RT LOWER LIMIT =-0.50 minutes of internal standard RT
Column used to flag internal standard area values with an asterisk.
* Values outside QC limits.
D Indicates the peak is not "Identified".

BFB 8260B Report



Lab File ID 8oct121246.sms

Injection Date: 10/10/2012

Injection Time: 12:05

m/z	Acceptance Criterion	Value	Pass/Fail
50	15-40% of m/z 95	19.20	PASS
75	30-60% of m/z 95	31.38	PASS
95	base peak	100.00	PASS
96	5-9% of m/z 95	5.89	PASS
173	<2% of m/z 174	0.65	PASS
174	>50% of m/z 95	80.08	PASS
175	5-9% of m/z 174	6.35	PASS
176	>95% but <101% of m/z 174	100.36	PASS
177	5-9% of m/z 176	5.92	PASS

CONFIDENTIAL

Associated Labs QCBatch BenchSheet

QCBatchID: QC1130739

Created Date: 10/22/2012
Created By: nicollez
Matrix: Water

Test: 8260B Alab Low
Method: EPA 8260B
Instrument: VOA-MS (group)
AnalysisDate: 10/19/2012
AnalysisEmployee: nicollez

Seq #	Sample ID	Customer Sample ID	QC Source	Sur. Added	Spk. Added	Init. Wt/Vol	Final Vol	Extraction Date	Extraction Time	Comments
0	Method Blank_1									
1	LCS_1									
2	311963-009	MW-11	311963-009							
3	311995-004	B-6-CW03R	311995-004							
4	311995-006	B-1-CW28	311995-006							
5	311995-008	A-1-CW09	311995-008							
6	312094-001	TB101312	312094-001							
7	312094-002	B-1-CW20	312094-002							
8	312094-003	C-1-CW06	312094-003							
9	312094-004	B-5-CW02	312094-004							
10	312094-005	M-W-6	312094-005							
11	312094-006	C-1-CW08	312094-006							
12	312205-001	TB101612	312205-001							
13	312205-002	MW-8	312205-002							
14	312205-004	MW-5	312205-004							
15	312205-006	B-6-CW16	312205-006							
16	312205-007	EB101612 Equip Blank	312205-007							

InitialCalibSTD: w#12090602
CalibCheckSTD: w#12090602
InternalSTD: w#12090702
SurrogateSTD: w#12090702
LCSSTD: w#12090604
MSSTD: w#12090604

Solvent Manufacturer and Lot:
Sand Manufacturer and Lot:
Na2SO4 Manufacturer and Lot:
Surrogate Lot:
Spike Lot:

Prep By Signature: _____

LMC-PET-00000704

CONFIDENTIAL

QCBatchID: QC1130739

Created Date:	10/22/2012
Created By:	nicollez
Matrix:	Water

Test:	8260B Alab Low
Method:	EPA 8260B
Instrument:	VOA-MS (group)
AnalysisDate:	10/19/2012
AnalysisEmployee:	nicollez

Seq #	Sample ID	Customer Sample ID	QC Source	Sur. Added	Spk. Added	Init. Wt/Vol	Final Vol.	Extraction Date	Extraction Time	Comments
17	MS_1		312094-002							
18	MSD_1		312094-002							

InitialCalibSTD:	w#12090602
CalibCheckSTD:	w#12090602
InternalSTD:	w#12090702
SurrogateSTD:	w#12090702
LCSSTD:	w#12090604
MSSTD:	w#12090604

Solvent Manufacturer and Lot:	
Sand Manufacturer and Lot:	
Na2SO4 Manufacturer and Lot:	
Surrogate Lot:	
Spike Lot:	
Prep By Signature:	

LMC-PET-00000705

****

Varian Star Workstation - RecalcList Sat Oct 20 11:32:37 2012

RecalcList: C:\VarianWS\8260list.rcl

Created: Wed Dec 01 10:37:29 2004
Modified: Sat Oct 20 11:32:32 2012

RC 1130739

****

Line	Sample Name	Data File
1	10ppb BFB tune 1	c:\varianws\data\4oct12\4oct121381.SMS
2	50ppb 8260 ccv 1	c:\varianws\data\4oct12\4oct121382.SMS
3	25ppb 524.2 ccv 1	c:\varianws\data\4oct12\4oct121383.SMS
4	50ppb 8260 lcs 1	c:\varianws\data\4oct12\4oct121384.SMS
5	25ppb 524.2 lcs 1	c:\varianws\data\4oct12\4oct121385.SMS
6	rinse	c:\varianws\data\4oct12\4oct121386.SMS
7	method blk 1	c:\varianws\data\4oct12\4oct121387.SMS
8	312094-001_10mL-1	c:\varianws\data\4oct12\4oct121388.SMS
9	312094-002_10mL-8	c:\varianws\data\4oct12\4oct121389.SMS
10	312094-004_10mL-5	c:\varianws\data\4oct12\4oct121390.SMS
11	312094-005_10mL-8	c:\varianws\data\4oct12\4oct121391.SMS
12	312094-006_10mL-8	c:\varianws\data\4oct12\4oct121392.SMS
13	312094-003_1mL-8	c:\varianws\data\4oct12\4oct121393.SMS
14	311963-009_10mL-2	c:\varianws\data\4oct12\4oct121394.SMS
15	312094-003_10mL-8	c:\varianws\data\4oct12\4oct121395.SMS
16	MS_312094-002_10mL	c:\varianws\data\4oct12\4oct121396.SMS
17	MSD_312094-002_10mL	c:\varianws\data\4oct12\4oct121397.SMS
18	50ppb 8260 ccv 1	c:\varianws\data\4oct12\4oct121398.SMS
19	10ppb BFB tune 2	c:\varianws\data\4oct12\4oct121399.SMS
20	25ppb 524.2 ccv 2 ✓	c:\varianws\data\4oct12\4oct121400.SMS
21	25ppb 524.2 lcs 2 ✓	c:\varianws\data\4oct12\4oct121401.SMS
22	rinse	c:\varianws\data\4oct12\4oct121402.SMS
23	method blk 2	c:\varianws\data\4oct12\4oct121403.SMS
24	312205-001_10mL-1	c:\varianws\data\4oct12\4oct121404.SMS
25	312205-007_10mL-1	c:\varianws\data\4oct12\4oct121405.SMS
26	311995-004_10mL-4	c:\varianws\data\4oct12\4oct121406.SMS
27	311995-006_10mL-2	c:\varianws\data\4oct12\4oct121407.SMS
28	311995-008_10mL-7	c:\varianws\data\4oct12\4oct121408.SMS
29	312205-006_10mL-7	c:\varianws\data\4oct12\4oct121409.SMS
30	312205-002_10mL-1	c:\varianws\data\4oct12\4oct121410.SMS
31	312205-004_10mL-1	c:\varianws\data\4oct12\4oct121411.SMS
32	312080-011_1mL-1	c:\varianws\data\4oct12\4oct121412.SMS
33	312080-012_1mL-2	c:\varianws\data\4oct12\4oct121413.SMS
34	20ppb 524.2 ccv 3	c:\varianws\data\4oct12\4oct121414.SMS

#4 10/19 ~ 10/20/12 524.2

ALAB:00310

WATER VOLATILE SURROGATE RECOVERY

EPA Method 8260A

Lab Name: Associated Labs Contract:

Lab Code: # 4 Case No.: SAS No: SDG No:

EPA Sample No	S1	#	S2	#	S3	#	S4	#	TOTAL OUT
4oct121381	0	D	119		18	*	896	*	2
4oct121382	201	*	213	*	196	*	202	*	4
4oct121383	103		104		100		101		0
4oct121384	200	*	217	*	199	*	194	*	4
4oct121385	103		104		103		104		0
4oct121386	110		121		102		108		0
4oct121387	106		121		99		101		0
4oct121388	105		113		102		106		0
4oct121389	100		107		103		110		0
4oct121390	104		115		101		109		0
4oct121391	101		111		105		105		0
4oct121392	104		114		105		110		0
4oct121393	104		109		103		108		0
4oct121394	101		111		102		105		0
4oct121395	103		113		103		109		0
4oct121396	101		109		103		95		0
4oct121397	105		113		100		95		0
4oct121398	201	*	215	*	201	*	193	*	4
4oct121399	0	D	0	D	43	*	580	*	2
4oct121400	102		103		101		99		0
4oct121401	100		101		103		100		0

8260

8260

10/20/2012 12:21

Surrogate Recovery

EPA Sample No	S1 #	S2 #	S3 #	S4 #	TOTAL OUT
4oct121402	104	111	105	107	0
4oct121403	108	126	100	109	0
4oct121404	103	112	102	106	0
4oct121405	103	114	100	105	0
4oct121406	104	114	103	109	0
4oct121407	104	110	102	111	0
4oct121408	102	110	103	111	0
4oct121409	104	106	102	114	0
4oct121410	102	110	76	106	0
4oct121411	104	111	101	109	0
4oct121412	100	104	106	110	0
4oct121413	97	105	101	111	0
4oct121414	104	111	95	99	0
Replicates:	34	34	34	34	
Average:	108	120	109	242	
StdDev:	42	40	38	514	

		QC Limits
S1	= Dibromofluoromethane (Surr1)	(70 - 135)
S2	= 1,2-Dichloroethane-d4 (Surr2)	(70 - 135)
S3	= Toluene-d8 (Surr3)	(70 - 135)
S4	= p-Bromofluorobenzene (Surr4)	(70 - 135)

Column to be used to flag recovery values.

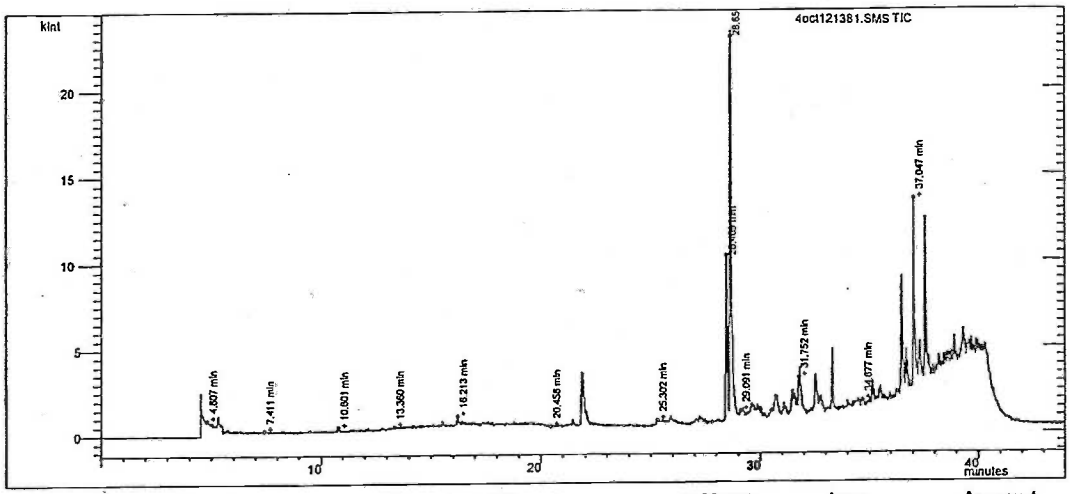
* Values outside of contract required QC Limits

D System Monitoring Compound diluted out

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	C:\VarianWS\data\4Oct12\4oct121381.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	10ppb BFB tune 1	**Acquisition Date:**	10/19/2012 1:51:02 AM
Inj. Notes:	w#12062102	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.003	96.0+70.0	Fluorobenzene (IS1)	725		N/A
25.302	117.0	Chlorobenzene-d5(IS2)	850	406	25.000
31.752	152.0	1,4-Dichlorobenzene-d4(IS3)	959	1047	25.000
4.807	85.0	Dichlorodifluoromethane	751		N/A
5.446	50.0+52.0+49.0	Chloromethane	384		N/A
5.812	62.0+64.0	Vinyl Chloride	784		N/A
7.014	94.0+45.0	Bromomethane	666		N/A
7.411	45.0+49.0	Chloroethane	424		N/A
8.237	101.0+103.0	Trichlorofluoromethane	848		N/A
9.497	59.0	Ethyl ether	667		N/A
10.209	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	543		N/A
11.202	56.0	Acrolein	723		N/A
10.311	96.0+61.0+98.0	1,1-Dichloroethene	566	19	19.281
10.845	142.0	Iodomethane	775		N/A
10.801	43.0+58.0	Acetone	855	657	656.797
11.515	45.0	Isopropyl alcohol (2-Propanol)	698		N/A
10.957	76.0	Carbon disulfide	550		N/A
13.346	41.0	Acetonitrile	907		N/A
11.623	41.0+39.0	Allyl chloride	680		N/A
12.137	84.0+49.0+86.0	Methylene Chloride	889	362	362.319
12.615	59.0	tert-Butanol	452		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	752		N/A
12.809	61.0+96.0	t-1,2-Dichloroethene	700	140	139.905

ALAB : 00313

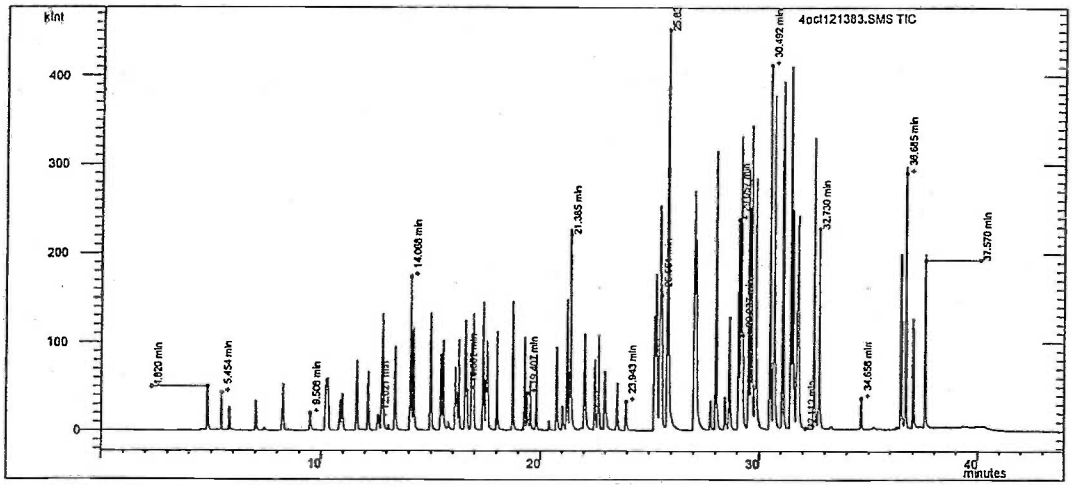
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	646		N/A
13.360	41.0	n-Hexane	641		N/A
14.068	63.0	1,1-Dichloroethane	665		N/A
14.298	43.0	Vinyl acetate	491		N/A
14.055	45.0	Isopropyl ether	744		N/A
14.201	53.0	Chloroprene	728		N/A
14.968	59.0	Ethyl-tert-butyl-ether	347		N/A
15.440	77.0+41.0	2,2-Dichloropropane	663		N/A
15.554	61.0+96.0	c-1,2-Dichloroethene	831		N/A
15.719	43.0+72.0	2-Butanone (MEK)	510		N/A
15.948	54.0	Propionitrile	476		N/A
16.132	130.0+49.0	Bromochloromethane	711	91	91.362
17.528	39.0	Methacrylonitrile	542		N/A
16.300	83.0+85.0	Chloroform	754	92	92.097
16.584	97.0+99.0	1,1,1-Trichloroethane	551		N/A
16.648	111.0	Dibromofluoromethane (Surr1)	255		N/A
16.861	117.0+119.0	Carbon Tetrachloride	676		N/A
16.213	42.0+72.0	Tetrahydrofuran	693	467	467.027
16.949	75.0+39.0	1,1-Dichloropropene	829		N/A
17.391	78.0	Benzene	843	131	130.963
17.447	65.0	1,2-Dichloroethane-d4 (Surr2)	698	30	29.862
17.626	62.0+64.0	1,2-Dichloroethane	683	74	73.983
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	693		N/A
18.767	130.0+132.0+95.0	Trichloroethene	865	178	8.588
19.397	41.0	Methyl methacrylate	665		N/A
19.273	63.0+65.0	1,2-Dichloropropane	753		N/A
19.563	93.0+174.0	Dibromomethane	744	75	11.279
20.281	88.0	1,4-Dioxane	353		N/A
19.841	83.0+85.0	Bromodichloromethane	630	50	3.312
20.458	63.0+43.0	2-Chloroethyl vinyl ether	477	17	24.793
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	614		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	628		N/A
21.301	98.0	Toluene-d8 (Surr3)	813	97	4.484
21.369	92.0+91.0	Toluene	913		N/A
22.013	69.0	Ethyl methacrylate	552		N/A
23.027	43.0+58.0+100.0	2-Hexanone	594		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	285		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	662		N/A
22.669	164.0+166.0	Tetrachloroethene	758		N/A
22.981	76.0+41.0	1,3-Dichloropropane	868		N/A
17.440	41.0	Isobutyl alcohol	415		N/A
23.543	129.0+127.0	Dibromochloromethane	652		N/A
24.038	107.0+109.0	1,2-Dibromoethane	747	84	8.523
25.749	91.0	1-Chlorohexane	703		N/A
25.374	112.0+114.0	Chlorobenzene	795	210	6.417
25.481	106.0+91.0	Ethylbenzene	757		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	660		N/A
25.823	106.0+91.0	p,m-Xylenes	920		N/A
27.024	106.0+91.0	o-Xylene	829		N/A
27.242	104.0+78.0	Styrene	888	275	1.706
27.788	171.0+173.0+175.0	Bromoform	689	40	1.503

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.053	105.0+120.0	Isopropylbenzene	838	332	1.153
28.469	75.0	cis-1,4-Dichloro-2-butene	612	220	48.230
28.652	95.0	p-Bromofluorobenzene (Surr4)	998	24630	474.057
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	701		N/A
29.091	77.0+158.0	Bromobenzene	911	475	3.810
29.148	91.0+120.0	n-Propylbenzene	877		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	648		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	648		N/A
29.517	91.0+126.0	2-Chlorotoluene	816		N/A
29.671	105.0+120.0	1,3,5-Trimethylbenzene	920	2608	8.294
29.521	91.0+126.0	4-Chlorotoluene	861		N/A
30.485	119.0+91.0	tert-Butylbenzene	768		N/A
30.696	105.0+120.0	1,2,4-Trimethylbenzene	986	2242	7.446
31.431	117.0	Pentachloroethane	433		N/A
31.097	105.0+134.0	sec-Butylbenzene	936	1829	5.859
30.505	119.0	4-Isopropyltoluene	797	368	1.611
31.570	146.0+148.0	1,3-Dichlorobenzene	918	1021	6.337
31.574	146.0+148.0	1,4-Dichlorobenzene	927	976	6.029
32.112	91.0	Benzyl Chloride	678		N/A
32.527	91.0+134.0	n-Butylbenzene	971	3865	15.919
32.754	146.0+148.0	1,2-Dichlorobenzene	961	1820	11.923
34.677	75.0+157.0	1,2-Dibromo-3-chloropropane	806	268	16.228
37.578	180.0+182.0	1,2,4-Trichlorobenzene	994	10819	104.351
36.683	225.0+226.0	Hexachlorobutadiene	950		N/A
37.047	128.0	Naphthalene	997	16233	211.011
37.577	180.0+182.0	1,2,3-Trichlorobenzene	994	10350	102.899

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	C:\VarianWS\data\4Oct12\4oct121383.SMS	Calc Method:	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	25ppb 524.2 ccv 1	Acquisition Date:	10/19/2012 3:28:56 AM
Inj. Notes:	w#12090602	Operator Name:	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.009	96.0+70.0	Fluorobenzene (IS1)	890	189709	25.000
25.231	117.0	Chlorobenzene-d5(IS2)	995	161370	25.000
31.712	152.0	1,4-Dichlorobenzene-d4(IS3)	963	90615	25.000
4.820	85.0	Dichlorodifluoromethane	956	85179	26.081
5.454	50.0+52.0+49.0	Chloromethane	990	78525	27.274
5.821	62.0+64.0	Vinyl Chloride	998	72144	25.233 ✓
7.021	94.0+45.0	Bromomethane	936	26873	24.179
7.403	45.0+49.0	Chloroethane	762	4581	24.215
8.252	101.0+103.0	Trichlorofluoromethane	979	185663	25.895
9.508	59.0	Ethyl ether	979	17286	26.608
10.223	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	919	109129	25.665
11.202	56.0	Acrolein	550		N/A
10.301	96.0+61.0+98.0	1,1-Dichloroethene	948	139906	25.397 ✓
10.857	142.0	Iodomethane	939	102854	25.525
10.798	43.0+58.0	Acetone	900	7616	23.510
11.515	45.0	Isopropyl alcohol (2-Propanol)	750		N/A
10.968	76.0	Carbon disulfide	721	110487	24.261
13.363	41.0	Acetonitrile	795	106814	26.519
11.633	41.0+39.0	Allyl chloride	959	206722	25.672
12.131	84.0+49.0+86.0	Methylene Chloride	892	144415	23.247
12.621	59.0	tert-Butanol	952	16678	123.873
12.767	73.0	Methyl-tert-butyl-ether (MTBE)	981	87000	24.628 ✓
12.807	61.0+96.0	t-1,2-Dichloroethene	978	169041	25.611

ALAB : 00316

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.073	53.0	Acrylonitrile	990	5156	23.629
13.364	41.0	n-Hexane	997	106878	26.468
14.075	63.0	1,1-Dichloroethane	980	116738	27.057
14.298	43.0	Vinyl acetate	149		N/A
14.068	45.0	Isopropyl ether	954	171209	27.643
14.213	53.0	Chloroprene	995	121873	26.642
14.971	59.0	Ethyl-tert-butyl-ether	988	188486	26.705
15.450	77.0+41.0	2,2-Dichloropropane	998	128432	22.138
15.558	61.0+96.0	c-1,2-Dichloroethene	988	170337	27.054
15.659	43.0+72.0	2-Butanone (MEK)	778	13430	25.364
15.938	54.0	Propionitrile	845	2144	23.812
16.119	130.0+49.0	Bromochloromethane	997	98978	26.397
17.538	39.0	Methacrylonitrile	328	26469	28.070
16.279	83.0+85.0	Chloroform	995	205501	25.582 ✓
16.581	97.0+99.0	1,1,1-Trichloroethane	997	249538	25.322
16.652	111.0	Dibromofluoromethane (Surr1)	985	40319	25.800
16.874	117.0+119.0	Carbon Tetrachloride	990	203783	25.437
16.176	42.0+72.0	Tetrahydrofuran	666	7809	24.807
16.950	75.0+39.0	1,1-Dichloropropene	998	153849	24.964
17.383	78.0	Benzene	992	159274	24.700 ✓
17.425	65.0	1,2-Dichloroethane-d4 (Surr2)	976	55138	25.970
17.589	62.0+64.0	1,2-Dichloroethane	981	116558	27.988
17.540	73.0+55.0+87.0	tert-Amyl-methyl-ether	996	181064	26.205
18.745	130.0+132.0+95.0	Trichloroethene	996	209978	25.441 ✓
19.407	41.0	Methyl methacrylate	998	35650	29.695
19.283	63.0+65.0	1,2-Dichloropropane	998	56857	26.655 ✓
19.551	93.0+174.0	Dibromomethane	992	69684	26.295
20.281	88.0	1,4-Dioxane	468		N/A
19.824	83.0+85.0	Bromodichloromethane	998	151665	25.441
20.404	63.0+43.0	2-Chloroethyl vinyl ether	692	6912	25.268
20.750	75.0+77.0+39.0	c-1,3-Dichloropropene	955	165273	26.313
21.017	43.0+58.0	4-Methyl-2-pentanone	989	47407	28.109
21.233	98.0	Toluene-d8 (Surr3)	996	215731	24.982
21.385	92.0+91.0	Toluene	998	508598	24.974 ✓
22.029	69.0	Ethyl methacrylate	989	29880	25.078
23.048	43.0+58.0+100.0	2-Hexanone	993	31215	26.193
22.057	75.0+77.0	t-1,3-Dichloropropene	983	76390	25.701
22.518	97.0+99.0	1,1,2-Trichloroethane	998	82557	26.717
22.685	164.0+166.0	Tetrachloroethene	997	23278	25.405 ✓
22.979	76.0+41.0	1,3-Dichloropropane	997	119751	26.460
17.440	41.0	Isobutyl alcohol	247		N/A
23.546	129.0+127.0	Dibromochloromethane	997	102460	26.222
23.943	107.0+109.0	1,2-Dibromoethane	998	105633	26.835
25.749	91.0	1-Chlorohexane	986		N/A
25.313	112.0+114.0	Chlorobenzene	991	327214	25.085 ✓
25.481	106.0+91.0	Ethylbenzene	996	606645	25.211 ✓
25.551	131.0+117.0	1,1,1,2-Tetrachloroethane	996	127843	26.601 ✓
25.834	106.0+91.0	p,m-Xylenes	998	1.154E6	50.198 ✓
27.029	106.0+91.0	o-Xylene	997	588039	25.274
27.105	104.0+78.0	Styrene	995	368825	26.382
27.767	171.0+173.0+175.0	Bromoform	989	59031	25.619

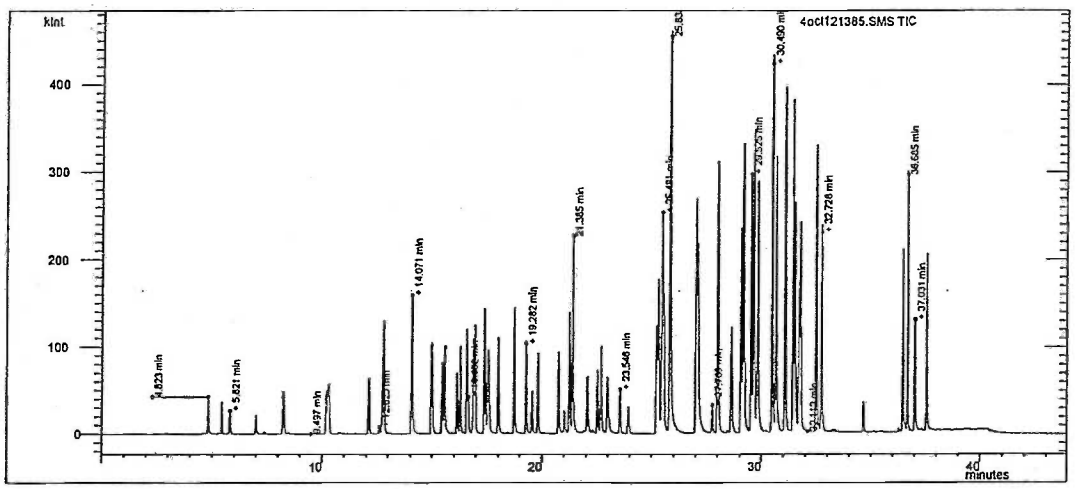
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.014	105.0+120.0	Isopropylbenzene	992	623337	25.051
28.440	75.0	cis-1,4-Dichloro-2-butene	996	9288	23.509
28.637	95.0	p-Bromofluorobenzene (Surr4)	998	113478	25.231
29.072	83.0+85.0	1,1,2,2-Tetrachloroethane	996	90432	25.562
29.057	77.0+158.0	Bromobenzene	994	286893	26.595
29.164	91.0+120.0	n-Propylbenzene	996	724472	24.973
29.237	75.0	trans-1,4-Dichloro-2-butene	990	47736	26.176
29.235	75.0+110.0	1,2,3-Trichloropropane	981	62663	25.876
29.526	91.0+126.0	2-Chlorotoluene	997	461130	24.992
29.644	105.0+120.0	1,3,5-Trimethylbenzene	997	661825	24.313
29.527	91.0+126.0	4-Chlorotoluene	995	454089	25.433
30.492	119.0+91.0	tert-Butylbenzene	866	848830	25.382
30.666	105.0+120.0	1,2,4-Trimethylbenzene	997	617999	23.705
31.431	117.0	Pentachloroethane	420	88466	25.003
31.072	105.0+134.0	sec-Butylbenzene	992	677372	25.060
30.488	119.0	4-Isopropyltoluene	878	492393	24.918
31.530	146.0+148.0	1,3-Dichlorobenzene	996	340872	24.433
31.528	146.0+148.0	1,4-Dichlorobenzene	996	344255	24.561
32.112	91.0	Benzyl Chloride	693		N/A
32.484	91.0+134.0	n-Butylbenzene	996	467775	22.256
32.730	146.0+148.0	1,2-Dichlorobenzene	996	324560	24.562
34.656	75.0+157.0	1,2-Dibromo-3-chloropropane	976	36199	25.326
37.565	180.0+182.0	1,2,4-Trichlorobenzene	989	198290	22.093
36.685	225.0+226.0	Hexachlorobutadiene	977	132506	22.241
37.029	128.0	Naphthalene	997	164753	24.739
37.570	180.0+182.0	1,2,3-Trichlorobenzene	997	192944	22.160

ALAB : 60318

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	C:\VarianWS\data\4Oct12\4oct121385.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	25ppb 524.2 lcs 1	**Acquisition Date:**	10/19/2012 5:08:09 AM
Inj. Notes:	w#12090604	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.009	96.0+70.0	Fluorobenzene (IS1)	919	181968	25.000
25.229	117.0	Chlorobenzene-d5(IS2)	986	153137	25.000
31.712	152.0	1,4-Dichlorobenzene-d4(IS3)	996	85676	25.000
4.823	85.0	Dichlorodifluoromethane	939	71635	22.867
5.457	50.0+52.0+49.0	Chloromethane	993	62803	22.741
5.821	62.0+64.0	Vinyl Chloride	998	73247	26.709
7.022	94.0+45.0	Bromomethane	982	18496	17.350
7.402	45.0+49.0	Chloroethane	754	3885	21.410
8.254	101.0+103.0	Trichlorofluoromethane	980	171121	24.882
9.497	59.0	Ethyl ether	561		N/A
10.224	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	925	96370	23.629
11.202	56.0	Acrolein	567		N/A
10.303	96.0+61.0+98.0	1,1-Dichloroethene	947	139154	26.335
10.862	142.0	Iodomethane	950	948	0.245
10.797	43.0+58.0	Acetone	903	6612	21.277
11.515	45.0	Isopropyl alcohol (2-Propanol)	654		N/A
10.957	76.0	Carbon disulfide	749		N/A
13.346	41.0	Acetonitrile	816		N/A
11.623	41.0+39.0	Allyl chloride	835		N/A
12.131	84.0+49.0+86.0	Methylene Chloride	862	136463	22.902
12.625	59.0	tert-Butanol	956	15542	120.350
12.772	73.0	Methyl-tert-butyl-ether (MTBE)	985	85537	25.244
12.806	61.0+96.0	t-1,2-Dichloroethene	983	170532	26.936

ALAB : 00319

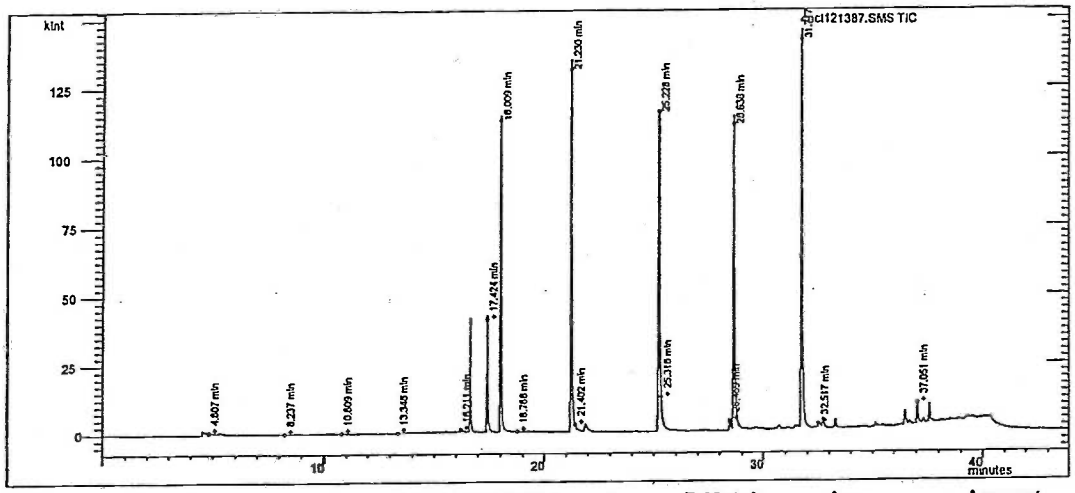
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	280		N/A
13.360	41.0	n-Hexane	697		N/A
14.075	63.0	1,1-Dichloroethane	971	105514	25.496
14.298	43.0	Vinyl acetate	518		N/A
14.071	45.0	Isopropyl ether	987	167396	28.177
14.201	53.0	Chloroprene	61		N/A
14.970	59.0	Ethyl-tert-butyl-ether	982	184938	27.317
15.450	77.0+41.0	2,2-Dichloropropane	998	122084	21.939
15.558	61.0+96.0	c-1,2-Dichloroethene	983	169098	28.000
15.663	43.0+72.0	2-Butanone (MEK)	603	10563	20.799
15.948	54.0	Propionitrile	343		N/A
16.123	130.0+49.0	Bromochloromethane	998	96114	26.724
17.541	39.0	Methacrylonitrile	329	25491	28.183
16.280	83.0+85.0	Chloroform	993	199458	25.886
16.582	97.0+99.0	1,1,1-Trichloroethane	997	245605	25.983
16.652	111.0	Dibromofluoromethane (Surr1)	987	38641	25.778
16.876	117.0+119.0	Carbon Tetrachloride	989	200305	26.067
16.282	42.0+72.0	Tetrahydrofuran	690	1354	4.484
16.950	75.0+39.0	1,1-Dichloropropene	997	154043	26.059
17.382	78.0	Benzene	990	160465	25.943
17.427	65.0	1,2-Dichloroethane-d4 (Surr2)	976	53016	26.032
17.589	62.0+64.0	1,2-Dichloroethane	991	108586	27.183
17.540	73.0+55.0+87.0	tert-Amyl-methyl-ether	996	176971	26.702
18.744	130.0+132.0+95.0	Trichloroethene	995	211875	27.051
19.282	41.0	Methyl methacrylate	760	40371	35.436
19.283	63.0+65.0	1,2-Dichloropropane	998	55984	27.657
19.552	93.0+174.0	Dibromomethane	991	63936	25.423
20.281	88.0	1,4-Dioxane	458		N/A
19.822	83.0+85.0	Bromodichloromethane	997	159117	28.125
20.393	63.0+43.0	2-Chloroethyl vinyl ether	745		N/A
20.747	75.0+77.0+39.0	c-1,3-Dichloropropene	956	155553	26.097
21.016	43.0+58.0	4-Methyl-2-pentanone	993	43360	27.091
21.232	98.0	Toluene-d8 (Surr3)	996	211540	25.814
21.385	92.0+91.0	Toluene	998	523584	27.092
21.984	69.0	Ethyl methacrylate	859	1306	1.155
23.046	43.0+58.0+100.0	2-Hexanone	987	28091	24.839
22.057	75.0+77.0	t-1,3-Dichloropropene	992	72371	25.658
22.518	97.0+99.0	1,1,2-Trichloroethane	999	79356	27.062
22.684	164.0+166.0	Tetrachloroethene	997	21316	24.514
22.979	76.0+41.0	1,3-Dichloropropane	998	115336	26.854
17.440	41.0	Isobutyl alcohol	599		N/A
23.546	129.0+127.0	Dibromochloromethane	996	102943	27.761
23.944	107.0+109.0	1,2-Dibromoethane	998	100012	26.773
25.749	91.0	1-Chlorohexane	985		N/A
25.313	112.0+114.0	Chlorobenzene	992	324012	26.174
25.481	106.0+91.0	Ethylbenzene	995	606776	26.670
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	996	124446	27.387
25.833	106.0+91.0	p,m-Xylenes	998	1.178E6	54.206
27.029	106.0+91.0	o-Xylene	997	609899	27.725
27.104	104.0+78.0	Styrene	997	361006	27.312
27.769	171.0+173.0+175.0	Bromoform	987	56800	26.073

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.013	105.0+120.0	Isopropylbenzene	993	645157	27.423
28.418	75.0	cis-1,4-Dichloro-2-butene	718		N/A
28.634	95.0	p-Bromofluorobenzene (Surr4)	998	110737	26.041
29.072	83.0+85.0	1,1,2,2-Tetrachloroethane	996	85273	25.493
29.057	77.0+158.0	Bromobenzene	995	283346	27.780
29.163	91.0+120.0	n-Propylbenzene	995	723999	26.395
29.232	75.0	trans-1,4-Dichloro-2-butene	837	36592	21.222
29.231	75.0+110.0	1,2,3-Trichloropropane	950	50440	22.029
29.525	91.0+126.0	2-Chlorotoluene	998	488423	27.997
29.644	105.0+120.0	1,3,5-Trimethylbenzene	998	687702	26.720
29.525	91.0+126.0	4-Chlorotoluene	996	459978	27.248
30.490	119.0+91.0	tert-Butylbenzene	882	860372	27.211
30.664	105.0+120.0	1,2,4-Trimethylbenzene	997	582906	23.648
31.431	117.0	Pentachloroethane	429	79925	23.891
31.074	105.0+134.0	sec-Butylbenzene	990	678317	26.542
30.489	119.0	4-Isopropyltoluene	890	499324	26.725
31.528	146.0+148.0	1,3-Dichlorobenzene	996	345838	26.218
31.529	146.0+148.0	1,4-Dichlorobenzene	996	348131	26.270
32.112	91.0	Benzyl Chloride	661		N/A
32.482	91.0+134.0	n-Butylbenzene	996	475156	23.911
32.728	146.0+148.0	1,2-Dichlorobenzene	995	322908	25.846
34.653	75.0+157.0	1,2-Dibromo-3-chloropropane	989	34616	25.615
37.567	180.0+182.0	1,2,4-Trichlorobenzene	986	200525	23.630
36.685	225.0+226.0	Hexachlorobutadiene	975	136698	24.268
37.031	128.0	Naphthalene	997	175535	27.878
37.568	180.0+182.0	1,2,3-Trichlorobenzene	996	198656	24.132

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	C:\VarianWS\data\4Oct12\4oct121387.SMS	Calc Method:	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	method blk 1	Acquisition Date:	10/19/2012 6:48:20 AM
Inj. Notes:	w#12090702	Operator Name:	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.009	96.0+70.0	Fluorobenzene (IS1)	920	188573	25.000
25.228	117.0	Chlorobenzene-d5(IS2)	996	158103	25.000
31.717	152.0	1,4-Dichlorobenzene-d4(IS3)	966	86168	25.000
4.807	85.0	Dichlorodifluoromethane	740		N/A
5.446	50.0+52.0+49.0	Chloromethane	519		N/A
5.812	62.0+64.0	Vinyl Chloride	790		N/A
7.014	94.0+45.0	Bromomethane	674		N/A
7.411	45.0+49.0	Chloroethane	420		N/A
8.237	101.0+103.0	Trichlorofluoromethane	719		N/A
9.497	59.0	Ethyl ether	736		N/A
10.209	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	525		N/A
11.202	56.0	Acrolein	529		N/A
10.287	96.0+61.0+98.0	1,1-Dichloroethene	571		N/A
10.845	142.0	Iodomethane	878		N/A
10.809	43.0+58.0	Acetone	836	346	1.075
11.515	45.0	Isopropyl alcohol (2-Propanol)	657		N/A
10.957	76.0	Carbon disulfide	548		N/A
13.346	41.0	Acetonitrile	667		N/A
11.623	41.0+39.0	Allyl chloride	702		N/A
12.124	84.0+49.0+86.0	Methylene Chloride	892	421	0.068
12.615	59.0	tert-Butanol	613		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	611		N/A
12.806	61.0+96.0	t-1,2-Dichloroethene	646	110	0.017

ALAB : 88322

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	454		N/A
13.360	41.0	n-Hexane	523		N/A
14.068	63.0	1,1-Dichloroethane	636		N/A
14.298	43.0	Vinyl acetate	481		N/A
14.055	45.0	Isopropyl ether	654		N/A
14.201	53.0	Chloroprene	536		N/A
14.968	59.0	Ethyl-tert-butyl-ether	423		N/A
15.440	77.0+41.0	2,2-Dichloropropane	693		N/A
15.554	61.0+96.0	c-1,2-Dichloroethene	703		N/A
15.719	43.0+72.0	2-Butanone (MEK)	500		N/A
15.948	54.0	Propionitrile	422		N/A
16.126	130.0+49.0	Bromochloromethane	774	54	0.015
17.528	39.0	Methacrylonitrile	378		N/A
16.285	83.0+85.0	Chloroform	698	106	0.013
16.584	97.0+99.0	1,1,1-Trichloroethane	510		N/A
16.651	111.0	Dibromofluoromethane (Surr1)	986	41299	26.586
16.861	117.0+119.0	Carbon Tetrachloride	613		N/A
16.211	42.0+72.0	Tetrahydrofuran	728	662	2.115
16.949	75.0+39.0	1,1-Dichloropropene	682		N/A
17.417	78.0	Benzene	426	165	0.026
17.424	65.0	1,2-Dichloroethane-d4 (Surr2)	987	64074	30.360
17.467	62.0+64.0	1,2-Dichloroethane	334	29	0.007
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	539		N/A
18.768	130.0+132.0+95.0	Trichloroethene	793	168	0.021
19.397	41.0	Methyl methacrylate	652		N/A
19.273	63.0+65.0	1,2-Dichloropropane	761		N/A
19.543	93.0+174.0	Dibromomethane	811		N/A
20.281	88.0	1,4-Dioxane	470		N/A
19.821	83.0+85.0	Bromodichloromethane	603		N/A
20.393	63.0+43.0	2-Chloroethyl vinyl ether	771		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	676		N/A
21.126	43.0+58.0	4-Methyl-2-pentanone	512	20	0.012
21.230	98.0	Toluene-d8 (Surr3)	997	208351	24.626
21.402	92.0+91.0	Toluene	341	329	0.016
22.013	69.0	Ethyl methacrylate	516		N/A
23.027	43.0+58.0+100.0	2-Hexanone	537		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	389		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	688		N/A
22.669	164.0+166.0	Tetrachloroethene	735		N/A
23.022	76.0+41.0	1,3-Dichloropropane	670	191	0.043
17.440	41.0	Isobutyl alcohol	518		N/A
23.570	129.0+127.0	Dibromochloromethane	717	14	0.004
24.009	107.0+109.0	1,2-Dibromoethane	808	34	0.009
25.749	91.0	1-Chlorohexane	721		N/A
25.318	112.0+114.0	Chlorobenzene	306	606	0.047
25.481	106.0+91.0	Ethylbenzene	769		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	530		N/A
25.823	106.0+91.0	p,m-Xylenes	849		N/A
27.024	106.0+91.0	o-Xylene	872		N/A
27.259	104.0+78.0	Styrene	838	443	0.033
27.810	171.0+173.0+175.0	Bromoform	731	22	0.010

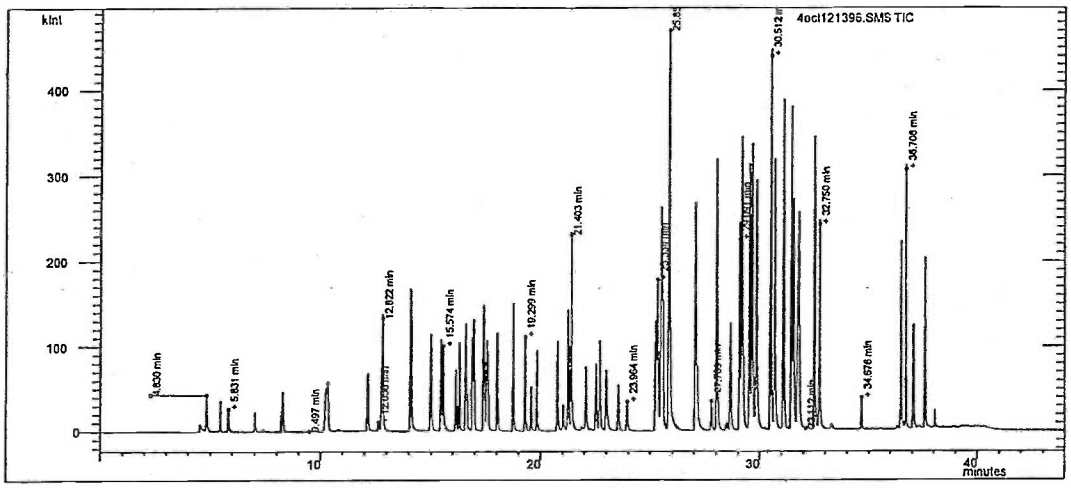
ALAB : 00323

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.042	105.0+120.0	Isopropylbenzene	943	309	0.013
28.459	75.0	cis-1,4-Dichloro-2-butene	635	47	0.126
28.636	95.0	p-Bromofluorobenzene (Surr4)	998	107908	25.231
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	808		N/A
29.044	77.0+158.0	Bromobenzene	940		N/A
29.148	91.0+120.0	n-Propylbenzene	920		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	633		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	653		N/A
29.517	91.0+126.0	2-Chlorotoluene	889		N/A
29.676	105.0+120.0	1,3,5-Trimethylbenzene	888	2433	0.094
29.521	91.0+126.0	4-Chlorotoluene	882		N/A
30.485	119.0+91.0	tert-Butylbenzene	776		N/A
30.695	105.0+120.0	1,2,4-Trimethylbenzene	992	3172	0.128
31.431	117.0	Pentachloroethane	568		N/A
31.088	105.0+134.0	sec-Butylbenzene	931	1796	0.070
30.512	119.0	4-Isopropyltoluene	766	727	0.039
31.556	146.0+148.0	1,3-Dichlorobenzene	953	1319	0.099
31.557	146.0+148.0	1,4-Dichlorobenzene	941	1376	0.103
32.112	91.0	Benzyl Chloride	488		N/A
32.517	91.0+134.0	n-Butylbenzene	949	3821	0.191
32.750	146.0+148.0	1,2-Dichlorobenzene	927	1451	0.116
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	843		N/A
37.580	180.0+182.0	1,2,4-Trichlorobenzene	993	8974	1.051
36.683	225.0+226.0	Hexachlorobutadiene	937		N/A
37.051	128.0	Naphthalene	996	11273	1.780
37.580	180.0+182.0	1,2,3-Trichlorobenzene	994	8337	1.007

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	c:\varianws\data\4oct12\4oct121396.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	MS_312094-002_10mL	**Acquisition Date:**	10/19/2012 2:12:19 PM
Inj. Notes:	w#12090604 pH<2	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.025	96.0+70.0	Fluorobenzene (IS1)	891	187192	25.000
25.249	117.0	Chlorobenzene-d5(IS2)	996	157062	25.000
31.733	152.0	1,4-Dichlorobenzene-d4(IS3)	995	91299	25.000
4.830	85.0	Dichlorodifluoromethane	934	72393	22.464
5.470	50.0+52.0+49.0	Chloromethane	989	62186	21.889
5.831	62.0+64.0	Vinyl Chloride	998	71953	25.505
7.032	94.0+45.0	Bromomethane	974	18316	16.702
7.420	45.0+49.0	Chloroethane	793	3491	18.702
8.267	101.0+103.0	Trichlorofluoromethane	980	168659	23.840
9.497	59.0	Ethyl ether	700		N/A
10.239	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	926	96813	23.075
11.202	56.0	Acrolein	555		N/A
10.318	96.0+61.0+98.0	1,1-Dichloroethene	946	138631	25.504
10.871	142.0	Iodomethane	933	579	0.146
10.812	43.0+58.0	Acetone	909	6413	20.062
11.515	45.0	Isopropyl alcohol (2-Propanol)	777		N/A
10.957	76.0	Carbon disulfide	645		N/A
13.346	41.0	Acetonitrile	856		N/A
11.623	41.0+39.0	Allyl chloride	851		N/A
12.147	84.0+49.0+86.0	Methylene Chloride	864	150082	24.484
12.638	59.0	tert-Butanol	977	18027	135.694
12.784	73.0	Methyl-tert-butyl-ether (MTBE)	981	93033	26.690
12.822	61.0+96.0	t-1,2-Dichloroethene	977	175646	26.969

ALAB : 88325

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	579		N/A
13.360	41.0	n-Hexane	851		N/A
14.090	63.0	1,1-Dichloroethane	976	110467	25.948
14.298	43.0	Vinyl acetate	166		N/A
14.084	45.0	Isopropyl ether	986	170774	27.944
14.201	53.0	Chloroprene	61		N/A
14.985	59.0	Ethyl-tert-butyl-ether	991	192753	27.677
15.466	77.0+41.0	2,2-Dichloropropane	998	158145	27.626
15.574	61.0+96.0	c-1,2-Dichloroethene	990	175495	28.248
15.680	43.0+72.0	2-Butanone (MEK)	884	12325	23.590
15.948	54.0	Propionitrile	521		N/A
16.136	130.0+49.0	Bromochloromethane	996	99496	26.892
17.556	39.0	Methacrylonitrile	321	24376	26.198
16.296	83.0+85.0	Chloroform	996	205604	25.939
16.598	97.0+99.0	1,1,1-Trichloroethane	997	252139	25.930
16.669	111.0	Dibromofluoromethane (Surr1)	985	38759	25.135
16.892	117.0+119.0	Carbon Tetrachloride	989	199999	25.301
16.293	42.0+72.0	Tetrahydrofuran	602	763	2.456
16.965	75.0+39.0	1,1-Dichloropropene	997	155808	25.622
17.396	78.0	Benzene	994	161779	25.426
17.443	65.0	1,2-Dichloroethane-d4 (Surr2)	976	56862	27.142
17.604	62.0+64.0	1,2-Dichloroethane	985	116454	28.339
17.555	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	192806	28.280
18.760	130.0+132.0+95.0	Trichloroethene	996	207102	25.781
19.299	41.0	Methyl methacrylate	740	41350	35.389
19.298	63.0+65.0	1,2-Dichloropropane	999	57697	27.791
19.569	93.0+174.0	Dibromomethane	992	70277	27.246
20.281	88.0	1,4-Dioxane	265		N/A
19.840	83.0+85.0	Bromodichloromethane	998	167922	28.940
20.393	63.0+43.0	2-Chloroethyl vinyl ether	590		N/A
20.764	75.0+77.0+39.0	c-1,3-Dichloropropene	963	175861	28.767
21.033	43.0+58.0	4-Methyl-2-pentanone	992	48285	29.414
21.250	98.0	Toluene-d8 (Surr3)	996	216407	25.748
21.403	92.0+91.0	Toluene	998	521816	26.326
22.001	69.0	Ethyl methacrylate	755	746	0.644
23.065	43.0+58.0+100.0	2-Hexanone	990	31292	26.979
22.077	75.0+77.0	t-1,3-Dichloropropene	991	82574	28.543
22.539	97.0+99.0	1,1,2-Trichloroethane	998	82708	27.500
22.704	164.0+166.0	Tetrachloroethene	997	22584	25.323
23.000	76.0+41.0	1,3-Dichloropropane	998	125267	28.438
17.440	41.0	Isobutyl alcohol	224		N/A
23.567	129.0+127.0	Dibromochloromethane	995	108087	28.420
23.964	107.0+109.0	1,2-Dibromoethane	996	109958	28.700
25.749	91.0	1-Chlorohexane	982		N/A
25.334	112.0+114.0	Chlorobenzene	994	334984	26.385
25.503	106.0+91.0	Ethylbenzene	995	608404	25.094
25.571	131.0+117.0	1,1,1,2-Tetrachloroethane	996	125626	25.944
25.854	106.0+91.0	p,m-Xylenes	999	1.178E6	50.888
27.049	106.0+91.0	o-Xylene	997	609957	26.020
27.134	104.0+78.0	Styrene	997	119402	8.477
27.789	171.0+173.0+175.0	Bromoform	986	60386	26.011

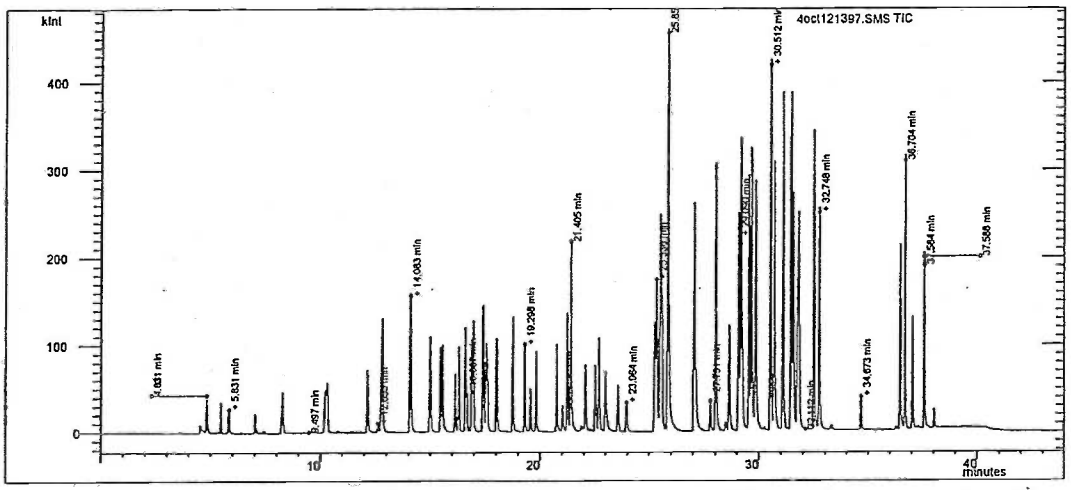
ALAB : 60326

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.034	105.0+120.0	Isopropylbenzene	993	637887	25.444
28.418	75.0	cis-1,4-Dichloro-2-butene	585		N/A
28.657	95.0	p-Bromofluorobenzene (Surr4)	999	107953	23.823
29.091	83.0+85.0	1,1,2,2-Tetrachloroethane	997	95047	26.665
29.077	77.0+158.0	Bromobenzene	992	279837	25.746
29.185	91.0+120.0	n-Propylbenzene	997	729193	24.947
29.251	75.0	trans-1,4-Dichloro-2-butene	844	40250	21.905
29.252	75.0+110.0	1,2,3-Trichloropropane	984	54216	22.220
29.548	91.0+126.0	2-Chlorotoluene	997	475638	25.585
29.666	105.0+120.0	1,3,5-Trimethylbenzene	997	643379	23.458
29.548	91.0+126.0	4-Chlorotoluene	995	472991	26.293
30.512	119.0+91.0	tert-Butylbenzene	864	878040	26.059
30.687	105.0+120.0	1,2,4-Trimethylbenzene	997	560160	21.326
31.451	117.0	Pentachloroethane	436	77795	21.822
31.094	105.0+134.0	sec-Butylbenzene	992	686190	25.196
30.510	119.0	4-Isopropyltoluene	884	510880	25.660
31.551	146.0+148.0	1,3-Dichlorobenzene	996	354887	25.247
31.549	146.0+148.0	1,4-Dichlorobenzene	998	351655	24.901
32.112	91.0	Benzyl Chloride	644		N/A
32.504	91.0+134.0	n-Butylbenzene	997	486052	22.953
32.750	146.0+148.0	1,2-Dichlorobenzene	995	344835	25.901
34.676	75.0+157.0	1,2-Dibromo-3-chloropropane	976	39536	27.453
37.592	180.0+182.0	1,2,4-Trichlorobenzene	978	208023	23.003
36.708	225.0+226.0	Hexachlorobutadiene	975	140527	23.411
37.056	128.0	Naphthalene	995	158298	23.592
37.592	180.0+182.0	1,2,3-Trichlorobenzene	996	204006	23.255

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	c:\varianws\data\4oct12\4oct121397.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	MSD_312094-002_10mL	**Acquisition Date:**	10/19/2012 3:01:37 PM
Inj. Notes:	w#12090604 pH<2	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.026	96.0+70.0	Fluorobenzene (IS1)	889	176612	25.000
25.254	117.0	Chlorobenzene-d5(IS2)	994	156239	25.000
31.730	152.0	1,4-Dichlorobenzene-d4(IS3)	994	91375	25.000
4.831	85.0	Dichlorodifluoromethane	883	73456	24.160
5.465	50.0+52.0+49.0	Chloromethane	993	61404	22.909
5.831	62.0+64.0	Vinyl Chloride	997	73299	27.539
7.030	94.0+45.0	Bromomethane	975	17372	16.790
7.420	45.0+49.0	Chloroethane	801	3591	20.390
8.268	101.0+103.0	Trichlorofluoromethane	980	165720	24.828
9.497	59.0	Ethyl ether	679		N/A
10.240	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	929	95815	24.205
11.202	56.0	Acrolein	567		N/A
10.319	96.0+61.0+98.0	1,1-Dichloroethene	949	134563	26.239
10.877	142.0	Iodomethane	943	416	0.111
10.813	43.0+58.0	Acetone	892	6387	21.176
11.515	45.0	Isopropyl alcohol (2-Propanol)	804		N/A
10.957	76.0	Carbon disulfide	555		N/A
13.346	41.0	Acetonitrile	827		N/A
11.623	41.0+39.0	Allyl chloride	791		N/A
12.150	84.0+49.0+86.0	Methylene Chloride	906	166923	28.863
12.633	59.0	tert-Butanol	959	17556	140.067
12.782	73.0	Methyl-tert-butyl-ether (MTBE)	988	87197	26.515
12.824	61.0+96.0	t-1,2-Dichloroethene	981	170744	27.787

ALAB : 00328

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	296		N/A
13.360	41.0	n-Hexane	791		N/A
14.091	63.0	1,1-Dichloroethane	976	104857	26.106
14.298	43.0	Vinyl acetate	643		N/A
14.083	45.0	Isopropyl ether	980	168448	29.215
14.201	53.0	Chloroprene	62		N/A
14.984	59.0	Ethyl-tert-butyl-ether	990	185386	28.214
15.466	77.0+41.0	2,2-Dichloropropane	998	149420	27.665
15.574	61.0+96.0	c-1,2-Dichloroethene	992	167340	28.549
15.683	43.0+72.0	2-Butanone (MEK)	876	11387	23.100
15.948	54.0	Propionitrile	431		N/A
16.137	130.0+49.0	Bromochloromethane	994	93490	26.783
17.554	39.0	Methacrylonitrile	333	25938	29.547
16.296	83.0+85.0	Chloroform	993	195156	26.096
16.599	97.0+99.0	1,1,1-Trichloroethane	997	243904	26.586
16.667	111.0	Dibromofluoromethane (Surr1)	991	38226	26.275
16.890	117.0+119.0	Carbon Tetrachloride	991	197442	26.473
16.294	42.0+72.0	Tetrahydrofuran	559	675	2.303
16.966	75.0+39.0	1,1-Dichloropropene	997	151862	26.469
17.399	78.0	Benzene	988	157508	26.238
17.443	65.0	1,2-Dichloroethane-d4 (Surr2)	986	55619	28.139
17.605	62.0+64.0	1,2-Dichloroethane	985	109935	28.356
17.554	73.0+55.0+87.0	tert-Amyl-methyl-ether	996	181898	28.278
18.761	130.0+132.0+95.0	Trichloroethene	995	196768	24.623
19.298	41.0	Methyl methacrylate	718	38246	32.905
19.296	63.0+65.0	1,2-Dichloropropane	998	53572	25.940
19.567	93.0+174.0	Dibromomethane	992	67080	26.144
20.281	88.0	1,4-Dioxane	462		N/A
19.840	83.0+85.0	Bromodichloromethane	998	157543	27.294
20.393	63.0+43.0	2-Chloroethyl vinyl ether	679		N/A
20.765	75.0+77.0+39.0	c-1,3-Dichloropropene	955	167339	27.517
21.033	43.0+58.0	4-Methyl-2-pentanone	995	49664	30.414
21.251	98.0	Toluene-d8 (Surr3)	997	209956	25.112
21.405	92.0+91.0	Toluene	998	504034	25.563
22.002	69.0	Ethyl methacrylate	794	707	0.613
23.064	43.0+58.0+100.0	2-Hexanone	985	30628	26.545
22.078	75.0+77.0	t-1,3-Dichloropropene	990	76521	26.590
22.539	97.0+99.0	1,1,2-Trichloroethane	998	80598	26.940
22.704	164.0+166.0	Tetrachloroethene	998	21533	24.272
23.001	76.0+41.0	1,3-Dichloropropane	998	122077	27.860
17.440	41.0	Isobutyl alcohol	214		N/A
23.569	129.0+127.0	Dibromochloromethane	997	104552	27.635
23.964	107.0+109.0	1,2-Dibromoethane	994	107773	28.277
25.749	91.0	1-Chlorohexane	982		N/A
25.336	112.0+114.0	Chlorobenzene	992	324810	25.718
25.504	106.0+91.0	Ethylbenzene	996	600797	24.760
25.573	131.0+117.0	1,1,1,2-Tetrachloroethane	996	120886	24.944
25.855	106.0+91.0	p,m-Xylenes	998	1.153E6	49.752
27.051	106.0+91.0	o-Xylene	997	587537	25.043
27.137	104.0+78.0	Styrene	996	106059	7.523
27.791	171.0+173.0+175.0	Bromoform	986	60684	26.118

ALAB : 00329

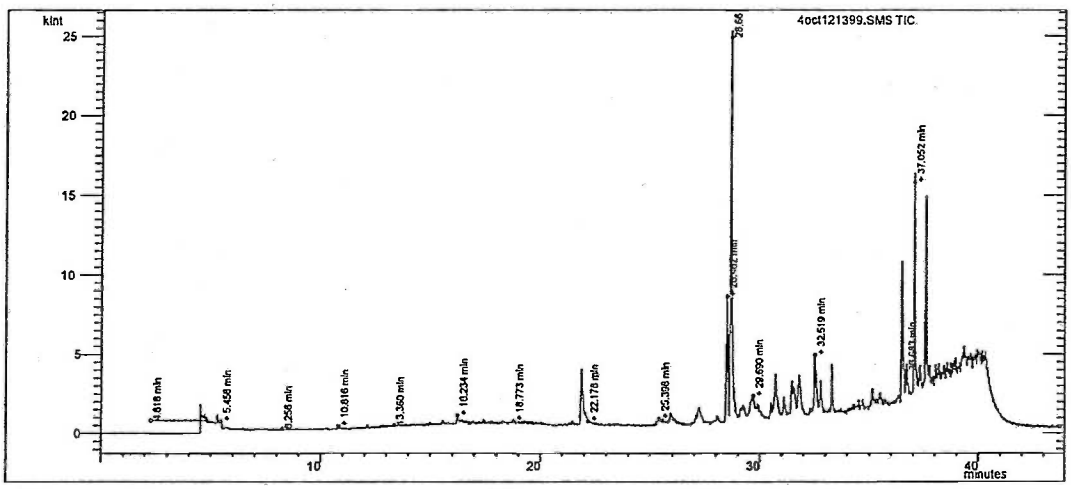
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.034	105.0+120.0	Isopropylbenzene	993	623728	24.859
28.418	75.0	cis-1,4-Dichloro-2-butene	550		N/A
28.659	95.0	p-Bromofluorobenzene (Surr4)	999	107997	23.813
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	996	96968	27.182
29.078	77.0+158.0	Bromobenzene	991	274209	25.207
29.184	91.0+120.0	n-Propylbenzene	997	715717	24.466
29.254	75.0	trans-1,4-Dichloro-2-butene	870	38680	21.034
29.254	75.0+110.0	1,2,3-Trichloropropane	994	54650	22.379
29.548	91.0+126.0	2-Chlorotoluene	998	469575	25.238
29.666	105.0+120.0	1,3,5-Trimethylbenzene	997	639173	23.286
29.547	91.0+126.0	4-Chlorotoluene	995	454986	25.271
30.512	119.0+91.0	tert-Butylbenzene	868	852339	25.275
30.686	105.0+120.0	1,2,4-Trimethylbenzene	998	525568	19.992
31.454	117.0	Pentachloroethane	422	76603	21.470
31.092	105.0+134.0	sec-Butylbenzene	990	678422	24.890
30.509	119.0	4-Isopropyltoluene	895	499020	25.043
31.549	146.0+148.0	1,3-Dichlorobenzene	996	348687	24.786
31.550	146.0+148.0	1,4-Dichlorobenzene	997	356242	25.205
32.112	91.0	Benzyl Chloride	658		N/A
32.503	91.0+134.0	n-Butylbenzene	996	490102	23.125
32.748	146.0+148.0	1,2-Dichlorobenzene	996	343362	25.769
34.673	75.0+157.0	1,2-Dibromo-3-chloropropane	983	38538	26.738
37.584	180.0+182.0	1,2,4-Trichlorobenzene	990	203022	22.432
36.704	225.0+226.0	Hexachlorobutadiene	973	136140	22.661
37.049	128.0	Naphthalene	996	162380	24.180
37.588	180.0+182.0	1,2,3-Trichlorobenzene	996	197238	22.465

ALAB : 00330

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	c:\varianws\data\4oct12\4oct121399.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	10ppb BFB tune 2	**Acquisition Date:**	10/19/2012 4:39:48 PM
Inj. Notes:	w#12062102	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.044	96.0+70.0	Fluorobenzene (IS1)	696	56	25.000
25.305	117.0	Chlorobenzene-d5(IS2)	918	164	25.000
31.758	152.0	1,4-Dichlorobenzene-d4(IS3)	967	798	25.000
4.818	85.0	Dichlorodifluoromethane	755		N/A
5.456	50.0+52.0+49.0	Chloromethane	434	74	86.300
5.936	62.0+64.0	Vinyl Chloride	653	16	19.023
7.014	94.0+45.0	Bromomethane	603		N/A
7.411	45.0+49.0	Chloroethane	608		N/A
8.256	101.0+103.0	Trichlorofluoromethane	797	81	38.072
9.497	59.0	Ethyl ether	603		N/A
10.208	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	634	71	56.474
11.202	56.0	Acrolein	452		N/A
10.291	96.0+61.0+98.0	1,1-Dichloroethene	744	51	30.935
10.845	142.0	Iodomethane	893		N/A
10.816	43.0+58.0	Acetone	818	576	5981.531
11.515	45.0	Isopropyl alcohol (2-Propanol)	672		N/A
10.957	76.0	Carbon disulfide	717		N/A
13.346	41.0	Acetonitrile	845		N/A
11.623	41.0+39.0	Allyl chloride	841		N/A
12.145	84.0+49.0+86.0	Methylene Chloride	854	478	258.857
12.615	59.0	tert-Butanol	569		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	699		N/A
12.823	61.0+96.0	t-1,2-Dichloroethene	788	152	77.619

ALAB : 00331

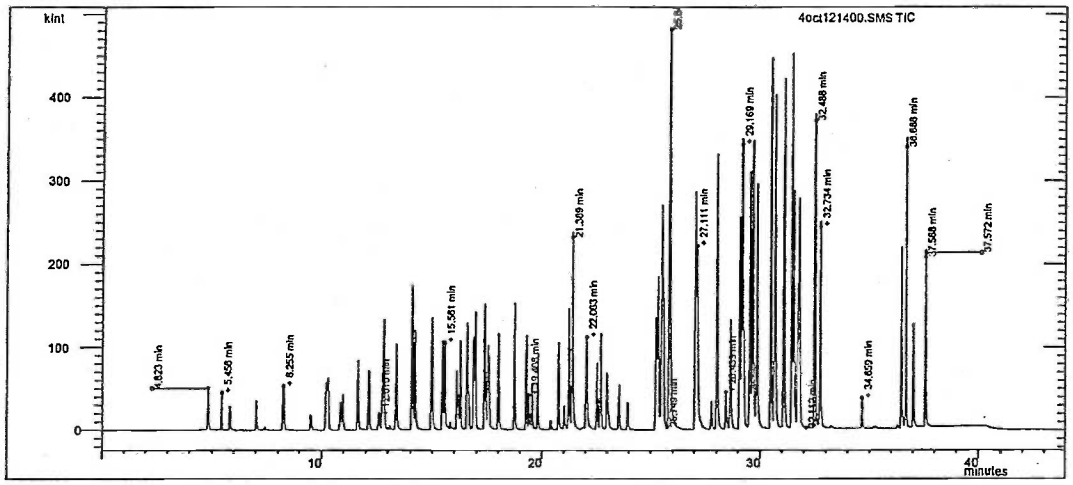
RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	400		N/A
13.360	41.0	n-Hexane	644		N/A
14.068	63.0	1,1-Dichloroethane	570		N/A
14.298	43.0	Vinyl acetate	355		N/A
14.055	45.0	Isopropyl ether	573		N/A
14.201	53.0	Chloroprene	707		N/A
14.968	59.0	Ethyl-tert-butyl-ether	375		N/A
15.440	77.0+41.0	2,2-Dichloropropane	631		N/A
15.589	61.0+96.0	c-1,2-Dichloroethene	861	152	81.394
15.719	43.0+72.0	2-Butanone (MEK)	610		N/A
15.948	54.0	Propionitrile	259		N/A
16.147	130.0+49.0	Bromochloromethane	642	84	75.246
17.528	39.0	Methacrylonitrile	499		N/A
16.300	83.0+85.0	Chloroform	756	76	31.918
16.584	97.0+99.0	1,1,1-Trichloroethane	683		N/A
16.648	111.0	Dibromofluoromethane (Surr1)	466		N/A
16.861	117.0+119.0	Carbon Tetrachloride	784		N/A
16.234	42.0+72.0	Tetrahydrofuran	741	429	4585.515
16.949	75.0+39.0	1,1-Dichloropropene	837		N/A
17.378	78.0	Benzene	814		N/A
17.418	65.0	1,2-Dichloroethane-d4 (Surr2)	648		N/A
17.581	62.0+64.0	1,2-Dichloroethane	732		N/A
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	612		N/A
18.773	130.0+132.0+95.0	Trichloroethene	864	190	22.694
19.397	41.0	Methyl methacrylate	581		N/A
19.273	63.0+65.0	1,2-Dichloropropane	733		N/A
19.569	93.0+174.0	Dibromomethane	735	45	16.688
20.281	88.0	1,4-Dioxane	456		N/A
19.821	83.0+85.0	Bromodichloromethane	783		N/A
20.393	63.0+43.0	2-Chloroethyl vinyl ether	593		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	537		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	602		N/A
21.317	98.0	Toluene-d8 (Surr3)	707	95	10.867
21.369	92.0+91.0	Toluene	914		N/A
22.013	69.0	Ethyl methacrylate	338		N/A
23.027	43.0+58.0+100.0	2-Hexanone	444		N/A
22.178	75.0+77.0	t-1,3-Dichloropropene	556	58	19.213
22.504	97.0+99.0	1,1,2-Trichloroethane	627		N/A
22.669	164.0+166.0	Tetrachloroethene	744		N/A
22.981	76.0+41.0	1,3-Dichloropropane	670		N/A
17.440	41.0	Isobutyl alcohol	734		N/A
23.563	129.0+127.0	Dibromochloromethane	534	11	2.777
23.948	107.0+109.0	1,2-Dibromoethane	547		N/A
25.749	91.0	1-Chlorohexane	700		N/A
25.398	112.0+114.0	Chlorobenzene	910	483	36.478
25.481	106.0+91.0	Ethylbenzene	906		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	565		N/A
25.921	106.0+91.0	p,m-Xylenes	976	1200	5.932
27.083	106.0+91.0	o-Xylene	888	1066	5.206
27.219	104.0+78.0	Styrene	974	1957	15.900
27.815	171.0+173.0+175.0	Bromoform	809	50	2.463

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.058	105.0+120.0	Isopropylbenzene	933	1037	4.734
28.482	75.0	cis-1,4-Dichloro-2-butene	612	238	68.314
28.661	95.0	p-Bromofluorobenzene (Surr4)	998	25534	644.944
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	702		N/A
29.098	77.0+158.0	Bromobenzene	946	944	9.939
29.222	91.0+120.0	n-Propylbenzene	925	1821	7.132
29.229	75.0	trans-1,4-Dichloro-2-butene	651		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	851		N/A
29.569	91.0+126.0	2-Chlorotoluene	874	1091	6.715
29.690	105.0+120.0	1,3,5-Trimethylbenzene	927	6414	26.770
29.566	91.0+126.0	4-Chlorotoluene	874	857	5.454
30.510	119.0+91.0	tert-Butylbenzene	814	1525	5.180
30.710	105.0+120.0	1,2,4-Trimethylbenzene	983	5105	22.246
31.446	117.0	Pentachloroethane	549	421	13.527
31.101	105.0+134.0	sec-Butylbenzene	977	3305	13.890
30.513	119.0	4-Isopropyltoluene	795	1301	7.481
31.585	146.0+148.0	1,3-Dichlorobenzene	959	1764	14.364
31.584	146.0+148.0	1,4-Dichlorobenzene	967	1455	11.796
32.112	91.0	Benzyl Chloride	589		N/A
32.519	91.0+134.0	n-Butylbenzene	983	6625	35.807
32.770	146.0+148.0	1,2-Dichlorobenzene	990	3185	27.385
34.685	75.0+157.0	1,2-Dibromo-3-chloropropane	885	420	33.419
37.583	180.0+182.0	1,2,4-Trichlorobenzene	992	14888	188.436
36.683	225.0+226.0	Hexachlorobutadiene	955		N/A
37.052	128.0	Naphthalene	997	18873	321.941
37.584	180.0+182.0	1,2,3-Trichlorobenzene	996	13013	169.790

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	c:\varianws\data\4oct12\4oct121400.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	25ppb 524.2 ccv 2	**Acquisition Date:**	10/19/2012 5:28:45 PM
Inj. Notes:	w#12090602	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.014	96.0+70.0	Fluorobenzene (IS1)	915	189974	25.000
25.235	117.0	Chlorobenzene-d5(IS2)	994	164438	25.000
31.714	152.0	1,4-Dichlorobenzene-d4(IS3)	995	92387	25.000
4.823	85.0	Dichlorodifluoromethane	686	86798	26.540
5.456	50.0+52.0+49.0	Chloromethane	991	82145	28.492
5.824	62.0+64.0	Vinyl Chloride	998	76769	26.813 ✓
7.026	94.0+45.0	Bromomethane	960	30352	27.272
7.408	45.0+49.0	Chloroethane	737	4724	24.936
8.255	101.0+103.0	Trichlorofluoromethane	981	189511	26.395
9.511	59.0	Ethyl ether	940	16768	25.774
10.228	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	914	111703	26.234
11.202	56.0	Acrolein	603		N/A
10.308	96.0+61.0+98.0	1,1-Dichloroethene	955	150617	27.303 ✓
10.863	142.0	Iodomethane	938	102297	25.351
10.804	43.0+58.0	Acetone	909	7317	22.555
11.515	45.0	Isopropyl alcohol (2-Propanol)	761		N/A
10.974	76.0	Carbon disulfide	667	113600	24.909
13.371	41.0	Acetonitrile	714	111221	27.575
11.639	41.0+39.0	Allyl chloride	966	222796	27.629
12.136	84.0+49.0+86.0	Methylene Chloride	893	165872	26.664
12.618	59.0	tert-Butanol	941	17970	133.284
12.769	73.0	Methyl-tert-butyl-ether (MTBE)	984	88870	25.123 ✓
12.812	61.0+96.0	t-1,2-Dichloroethene	990	177726	26.889

ALAB : 00334

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.081	53.0	Acrylonitrile	986	5447	24.929
13.371	41.0	n-Hexane	998	112969	27.937
14.079	63.0	1,1-Dichloroethane	986	119615	27.685
14.298	43.0	Vinyl acetate	143		N/A
14.069	45.0	Isopropyl ether	967	173714	28.009
14.219	53.0	Chloroprene	995	123741	27.012
14.972	59.0	Ethyl-tert-butyl-ether	980	195145	27.610
15.455	77.0+41.0	2,2-Dichloropropane	995	162426	27.958
15.561	61.0+96.0	c-1,2-Dichloroethene	995	176598	28.009
15.673	43.0+72.0	2-Butanone (MEK)	601	12447	23.475
15.950	54.0	Propionitrile	881	2346	26.020
16.124	130.0+49.0	Bromochloromethane	997	99429	26.481
17.542	39.0	Methacrylonitrile	325	25686	27.201
16.282	83.0+85.0	Chloroform	997	211935	26.346 ✓
16.587	97.0+99.0	1,1,1-Trichloroethane	997	261227	26.471
16.655	111.0	Dibromofluoromethane (Surr1)	984	39810	25.439
16.880	117.0+119.0	Carbon Tetrachloride	990	212551	26.495
16.182	42.0+72.0	Tetrahydrofuran	667	7665	24.316
16.953	75.0+39.0	1,1-Dichloropropene	997	165892	26.881
17.386	78.0	Benzene	994	164507	25.476 ✓
17.430	65.0	1,2-Dichloroethane-d4 (Surr2)	979	54483	25.625
17.590	62.0+64.0	1,2-Dichloroethane	992	115289	27.645
17.540	73.0+55.0+87.0	tert-Amyl-methyl-ether	996	184045	26.599
18.751	130.0+132.0+95.0	Trichloroethene	996	219883	26.144 ✓
19.408	41.0	Methyl methacrylate	998	35299	28.855
19.287	63.0+65.0	1,2-Dichloropropane	998	59266	27.266
19.555	93.0+174.0	Dibromomethane	994	70487	26.102
20.281	88.0	1,4-Dioxane	419		N/A
19.827	83.0+85.0	Bromodichloromethane	998	161312	26.554
20.405	63.0+43.0	2-Chloroethyl vinyl ether	523	6731	24.146
20.754	75.0+77.0+39.0	c-1,3-Dichloropropene	955	175937	27.488
21.020	43.0+58.0	4-Methyl-2-pentanone	994	46639	27.137
21.237	98.0	Toluene-d8 (Surr3)	997	222444	25.279
21.389	92.0+91.0	Toluene	998	541754	26.106 ✓
22.034	69.0	Ethyl methacrylate	994	29448	24.254
23.053	43.0+58.0+100.0	2-Hexanone	985	29703	24.460
22.063	75.0+77.0	t-1,3-Dichloropropene	978	85001	28.065
22.524	97.0+99.0	1,1,2-Trichloroethane	998	84080	26.703
22.690	164.0+166.0	Tetrachloroethene	997	24997	26.771 ✓
22.985	76.0+41.0	1,3-Dichloropropane	998	120997	26.236
17.440	41.0	Isobutyl alcohol	230		N/A
23.555	129.0+127.0	Dibromochloromethane	997	106562	26.762
23.949	107.0+109.0	1,2-Dibromoethane	997	109132	27.206
25.749	91.0	1-Chlorohexane	981		N/A
25.320	112.0+114.0	Chlorobenzene	994	337597	25.398 ✓
25.489	106.0+91.0	Ethylbenzene	995	640435	26.105 ✓
25.557	131.0+117.0	1,1,1,2-Tetrachloroethane	995	132271	26.995
25.840	106.0+91.0	p,m-Xylenes	998	1.226E6	52.322 ✓
27.036	106.0+91.0	o-Xylene	998	625448	26.367 ✓
27.111	104.0+78.0	Styrene	996	387439	27.182
27.772	171.0+173.0+175.0	Bromoform	987	59285	25.237 ✓

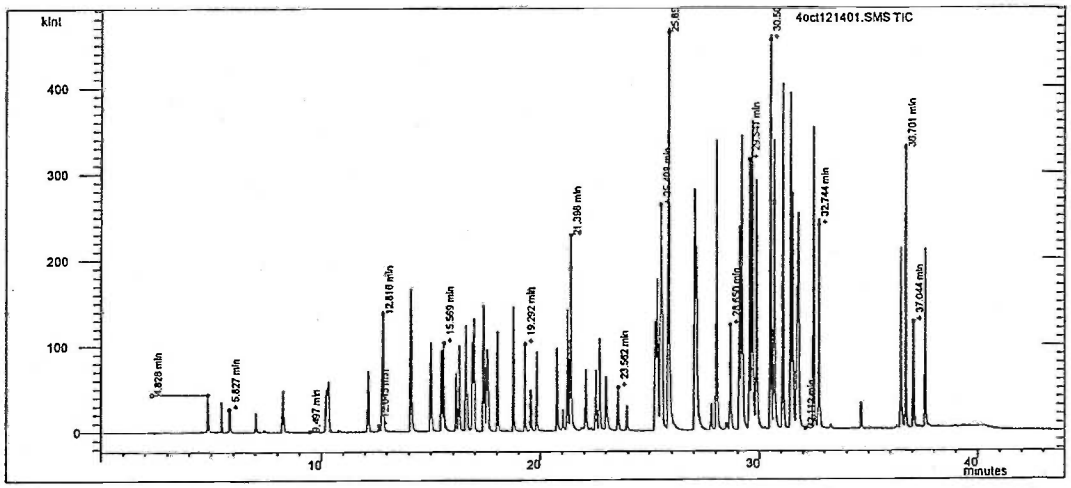
ALAB : 00335

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.021	105.0+120.0	Isopropylbenzene	993	662844	26.128
28.439	75.0	cis-1,4-Dichloro-2-butene	997	11313	28.085
28.639	95.0	p-Bromofluorobenzene (Surr4)	998	113538	24.760
29.076	83.0+85.0	1,1,2,2-Tetrachloroethane	998	92724	25.707
29.062	77.0+158.0	Bromobenzene	994	297938	27.089
29.169	91.0+120.0	n-Propylbenzene	996	783924	26.504
29.240	75.0	trans-1,4-Dichloro-2-butene	983	49514	26.630
29.240	75.0+110.0	1,2,3-Trichloropropane	975	61228	24.798
29.531	91.0+126.0	2-Chlorotoluene	997	481828	25.613
29.649	105.0+120.0	1,3,5-Trimethylbenzene	998	701968	25.293
29.532	91.0+126.0	4-Chlorotoluene	995	473822	26.029
30.497	119.0+91.0	tert-Butylbenzene	884	890407	26.115
30.670	105.0+120.0	1,2,4-Trimethylbenzene	997	662211	24.914
31.438	117.0	Pentachloroethane	449	90679	25.137
31.076	105.0+134.0	sec-Butylbenzene	990	719844	26.121
30.495	119.0	4-Isopropyltoluene	893	518187	25.720
31.534	146.0+148.0	1,3-Dichlorobenzene	997	371268	26.102
31.533	146.0+148.0	1,4-Dichlorobenzene	997	376999	26.382
32.112	91.0	Benzyl Chloride	609		N/A
32.486	91.0+134.0	n-Butylbenzene	996	546235	25.491
32.734	146.0+148.0	1,2-Dichlorobenzene	996	344032	25.536
34.659	75.0+157.0	1,2-Dibromo-3-chloropropane	982	37177	25.511
37.568	180.0+182.0	1,2,4-Trichlorobenzene	992	212345	23.205
36.688	225.0+226.0	Hexachlorobutadiene	976	151069	24.871
37.034	128.0	Naphthalene	997	160125	23.583
37.572	180.0+182.0	1,2,3-Trichlorobenzene	996	205040	23.098

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	c:\varianws\data\4oct12\4oct121401.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	25ppb 524.2 lcs 2	**Acquisition Date:**	10/19/2012 6:17:54 PM
Inj. Notes:	w#12090604	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.020	96.0+70.0	Fluorobenzene (IS1)	892	186692	25.000
25.245	117.0	Chlorobenzene-d5(IS2)	994	156358	25.000
31.724	152.0	1,4-Dichlorobenzene-d4(IS3)	996	87826	25.000
4.828	85.0	Dichlorodifluoromethane	760	73859	22.981
5.462	50.0+52.0+49.0	Chloromethane	995	61407	21.673
5.827	62.0+64.0	Vinyl Chloride	998	70684	25.122
7.030	94.0+45.0	Bromomethane	968	18805	17.194
7.417	45.0+49.0	Chloroethane	765	3116	16.736
8.265	101.0+103.0	Trichlorofluoromethane	980	168271	23.849
9.497	59.0	Ethyl ether	627		N/A
10.233	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	909	96551	23.074
11.202	56.0	Acrolein	675		N/A
10.313	96.0+61.0+98.0	1,1-Dichloroethene	941	132583	24.457
10.878	142.0	Iodomethane	945	1350	0.340
10.808	43.0+58.0	Acetone	929	5541	17.380
11.515	45.0	Isopropyl alcohol (2-Propanol)	771		N/A
10.957	76.0	Carbon disulfide	741		N/A
13.346	41.0	Acetonitrile	461		N/A
11.623	41.0+39.0	Allyl chloride	824		N/A
12.143	84.0+49.0+86.0	Methylene Chloride	881	158484	25.924
12.643	59.0	tert-Butanol	964	12665	95.593
12.783	73.0	Methyl-tert-butyl-ether (MTBE)	987	82092	23.615
12.816	61.0+96.0	t-1,2-Dichloroethene	982	178426	27.469

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	596		N/A
13.360	41.0	n-Hexane	846		N/A
14.089	63.0	1,1-Dichloroethane	972	109578	25.808
14.298	43.0	Vinyl acetate	180		N/A
14.085	45.0	Isopropyl ether	985	167880	27.544
14.201	53.0	Chloroprene	61		N/A
14.985	59.0	Ethyl-tert-butyl-ether	990	179878	25.897
15.464	77.0+41.0	2,2-Dichloropropane	998	141797	24.836
15.569	61.0+96.0	c-1,2-Dichloroethene	996	173155	27.946
15.681	43.0+72.0	2-Butanone (MEK)	866	9248	17.749
15.948	54.0	Propionitrile	303		N/A
16.133	130.0+49.0	Bromochloromethane	995	91604	24.825
17.552	39.0	Methacrylonitrile	339	23598	25.430
16.293	83.0+85.0	Chloroform	997	202299	25.590
16.595	97.0+99.0	1,1,1-Trichloroethane	997	252365	26.023
16.665	111.0	Dibromofluoromethane (Surr1)	986	38544	25.063
16.888	117.0+119.0	Carbon Tetrachloride	990	202443	25.678
16.285	42.0+72.0	Tetrahydrofuran	655	848	2.736
16.962	75.0+39.0	1,1-Dichloropropene	997	156402	25.789
17.394	78.0	Benzene	992	160896	25.355
17.440	65.0	1,2-Dichloroethane-d4 (Surr2)	977	52813	25.276
17.600	62.0+64.0	1,2-Dichloroethane	976	107557	26.244
17.552	73.0+55.0+87.0	tert-Amyl-methyl-ether	997	167903	24.693
18.755	130.0+132.0+95.0	Trichloroethene	996	205839	25.739
19.292	41.0	Methyl methacrylate	762	39413	33.883
19.292	63.0+65.0	1,2-Dichloropropane	998	55968	27.080
19.565	93.0+174.0	Dibromomethane	992	63107	24.576
20.281	88.0	1,4-Dioxane	388		N/A
19.836	83.0+85.0	Bromodichloromethane	998	159085	27.541
20.393	63.0+43.0	2-Chloroethyl vinyl ether	670		N/A
20.761	75.0+77.0+39.0	c-1,3-Dichloropropene	955	161248	26.495
21.032	43.0+58.0	4-Methyl-2-pentanone	992	39615	24.241
21.245	98.0	Toluene-d8 (Surr3)	997	216179	25.836
21.398	92.0+91.0	Toluene	998	516273	26.164
21.998	69.0	Ethyl methacrylate	787	1275	1.104
23.068	43.0+58.0+100.0	2-Hexanone	984	23995	20.781
22.072	75.0+77.0	t-1,3-Dichloropropene	990	74260	25.785
22.537	97.0+99.0	1,1,2-Trichloroethane	999	74190	24.779
22.700	164.0+166.0	Tetrachloroethene	996	22069	24.857
22.998	76.0+41.0	1,3-Dichloropropane	997	112807	25.724
17.440	41.0	Isobutyl alcohol	223		N/A
23.562	129.0+127.0	Dibromochloromethane	996	101768	26.879
23.960	107.0+109.0	1,2-Dibromoethane	999	97856	25.656
25.749	91.0	1-Chlorohexane	980		N/A
25.332	112.0+114.0	Chlorobenzene	993	328370	25.980
25.498	106.0+91.0	Ethylbenzene	996	614693	26.356
25.566	131.0+117.0	1,1,1,2-Tetrachloroethane	996	123938	26.607
25.850	106.0+91.0	p,m-Xylenes	998	1.198E6	53.799
27.044	106.0+91.0	o-Xylene	998	608461	26.983
27.120	104.0+78.0	Styrene	995	373403	27.558
27.783	171.0+173.0+175.0	Bromoform	986	54952	24.607

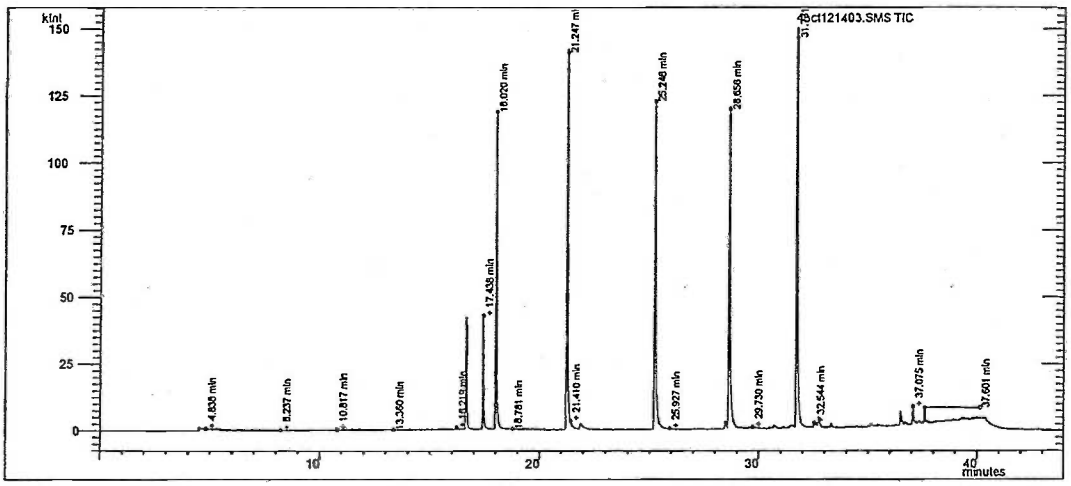
RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.027	105.0+120.0	Isopropylbenzene	992	646835	26.821
28.479	75.0	cis-1,4-Dichloro-2-butene	697	333	0.870
28.650	95.0	p-Bromofluorobenzene (Surr4)	998	108568	24.906
29.085	83.0+85.0	1,1,2,2-Tetrachloroethane	997	83056	24.223
29.072	77.0+158.0	Bromobenzene	995	271140	25.932
29.178	91.0+120.0	n-Propylbenzene	996	749522	26.657
29.247	75.0	trans-1,4-Dichloro-2-butene	843	34372	19.446
29.247	75.0+110.0	1,2,3-Trichloropropane	973	46535	19.826
29.541	91.0+126.0	2-Chlorotoluene	997	478709	26.768
29.659	105.0+120.0	1,3,5-Trimethylbenzene	997	694895	26.339
29.541	91.0+126.0	4-Chlorotoluene	995	478709	27.663
30.505	119.0+91.0	tert-Butylbenzene	877	894973	27.612
30.679	105.0+120.0	1,2,4-Trimethylbenzene	998	583457	23.091
31.448	117.0	Pentachloroethane	378	83022	24.209
31.085	105.0+134.0	sec-Butylbenzene	991	709667	27.089
30.504	119.0	4-Isopropyltoluene	887	525547	27.440
31.544	146.0+148.0	1,3-Dichlorobenzene	996	350639	25.932
31.542	146.0+148.0	1,4-Dichlorobenzene	997	357018	26.281
32.112	91.0	Benzyl Chloride	589		N/A
32.497	91.0+134.0	n-Butylbenzene	997	504065	24.744
32.744	146.0+148.0	1,2-Dichlorobenzene	997	336774	26.295
34.669	75.0+157.0	1,2-Dibromo-3-chloropropane	981	32709	23.611
37.584	180.0+182.0	1,2,4-Trichlorobenzene	988	205705	23.647
36.701	225.0+226.0	Hexachlorobutadiene	971	143645	24.877
37.044	128.0	Naphthalene	995	159678	24.739
37.585	180.0+182.0	1,2,3-Trichlorobenzene	997	201630	23.893

ALAB : 00339

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	c:\varianws\data\4oct12\4oct121403.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	method blk 2	**Acquisition Date:**	10/19/2012 7:55:46 PM
Inj. Notes:	w#12090702	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.020	96.0+70.0	Fluorobenzene (IS1)	935	190776	25.000
25.246	117.0	Chlorobenzene-d5(IS2)	995	166143	25.000
31.731	152.0	1,4-Dichlorobenzene-d4(IS3)	959	84802	25.000
4.838	85.0	Dichlorodifluoromethane	759	47	0.014
5.467	50.0+52.0+49.0	Chloromethane	377	37	0.013
5.812	62.0+64.0	Vinyl Chloride	828		N/A
7.014	94.0+45.0	Bromomethane	565		N/A
7.411	45.0+49.0	Chloroethane	473		N/A
8.237	101.0+103.0	Trichlorofluoromethane	735		N/A
9.497	59.0	Ethyl ether	540		N/A
10.209	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	639		N/A
11.202	56.0	Acrolein	524		N/A
10.287	96.0+61.0+98.0	1,1-Dichloroethene	564		N/A
10.846	142.0	Iodomethane	775	21	0.005
10.817	43.0+58.0	Acetone	816	428	1.314
11.515	45.0	Isopropyl alcohol (2-Propanol)	782		N/A
10.957	76.0	Carbon disulfide	530		N/A
13.346	41.0	Acetonitrile	800		N/A
11.623	41.0+39.0	Allyl chloride	722		N/A
12.136	84.0+49.0+86.0	Methylene Chloride	830	347	0.056
12.615	59.0	tert-Butanol	706		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	699		N/A
12.825	61.0+96.0	t-1,2-Dichloroethene	673	62	0.009

ALAB : 00346

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	493		N/A
13.360	41.0	n-Hexane	783		N/A
14.068	63.0	1,1-Dichloroethane	514		N/A
14.298	43.0	Vinyl acetate	536		N/A
14.055	45.0	Isopropyl ether	630		N/A
14.201	53.0	Chloroprene	474		N/A
14.968	59.0	Ethyl-tert-butyl-ether	370		N/A
15.440	77.0+41.0	2,2-Dichloropropane	764		N/A
15.587	61.0+96.0	c-1,2-Dichloroethene	686	106	0.017
15.785	43.0+72.0	2-Butanone (MEK)	658	88	0.166
15.948	54.0	Propionitrile	263		N/A
16.123	130.0+49.0	Bromochloromethane	632		N/A
17.528	39.0	Methacrylonitrile	327		N/A
16.261	83.0+85.0	Chloroform	580		N/A
16.584	97.0+99.0	1,1,1-Trichloroethane	458		N/A
16.663	111.0	Dibromofluoromethane (Surr1)	994	42394	26.976
16.861	117.0+119.0	Carbon Tetrachloride	613		N/A
16.219	42.0+72.0	Tetrahydrofuran	797	557	1.759
16.949	75.0+39.0	1,1-Dichloropropene	639		N/A
17.421	78.0	Benzene	805	132	0.020
17.438	65.0	1,2-Dichloroethane-d4 (Surr2)	984	67014	31.387
17.581	62.0+64.0	1,2-Dichloroethane	292		N/A
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	509		N/A
18.781	130.0+132.0+95.0	Trichloroethene	861	125	0.015
19.397	41.0	Methyl methacrylate	680		N/A
19.273	63.0+65.0	1,2-Dichloropropane	488		N/A
19.543	93.0+174.0	Dibromomethane	571		N/A
20.281	88.0	1,4-Dioxane	506		N/A
19.821	83.0+85.0	Bromodichloromethane	576		N/A
20.393	63.0+43.0	2-Chloroethyl vinyl ether	642		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	611		N/A
21.012	43.0+58.0	4-Methyl-2-pentanone	513		N/A
21.247	98.0	Toluene-d8 (Surr3)	996	223263	25.112
21.410	92.0+91.0	Toluene	385	660	0.031
22.013	69.0	Ethyl methacrylate	547		N/A
23.027	43.0+58.0+100.0	2-Hexanone	625		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	187		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	704		N/A
22.669	164.0+166.0	Tetrachloroethene	607		N/A
22.981	76.0+41.0	1,3-Dichloropropane	555		N/A
17.440	41.0	Isobutyl alcohol	642		N/A
23.543	129.0+127.0	Dibromochloromethane	457		N/A
24.069	107.0+109.0	1,2-Dibromoethane	688	26	0.006
25.749	91.0	1-Chlorohexane	577		N/A
25.315	112.0+114.0	Chlorobenzene	271		N/A
25.481	106.0+91.0	Ethylbenzene	803		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	405		N/A
25.927	106.0+91.0	p,m-Xylenes	882	601	0.028
27.024	106.0+91.0	o-Xylene	777		N/A
27.294	104.0+78.0	Styrene	860	346	0.026
27.764	171.0+173.0+175.0	Bromoform	608		N/A

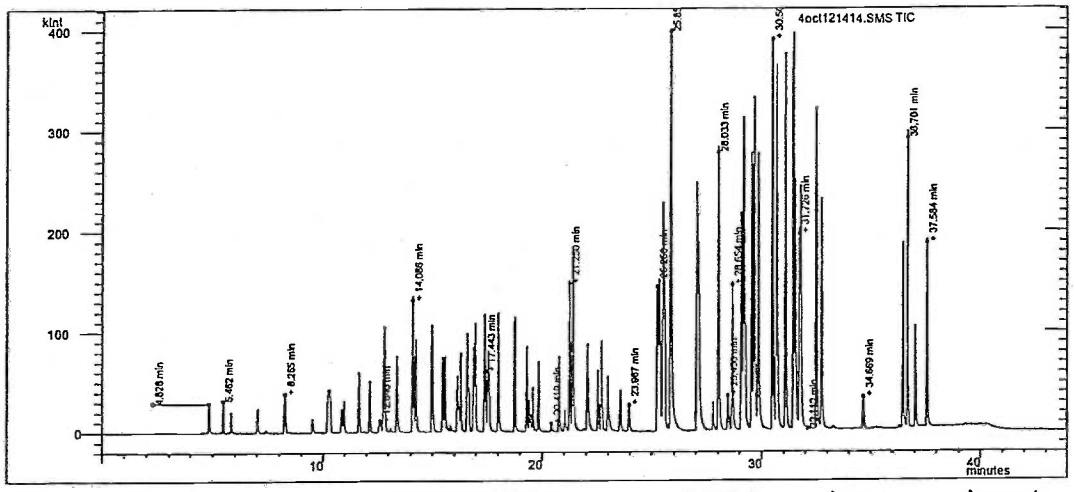
ALAB : 00341

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.074	105.0+120.0	Isopropylbenzene	870	351	0.015
28.418	75.0	cis-1,4-Dichloro-2-butene	546		N/A
28.656	95.0	p-Bromofluorobenzene (Surr4)	999	114582	27.223
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	642		N/A
29.155	77.0+158.0	Bromobenzene	895	110	0.011
29.148	91.0+120.0	n-Propylbenzene	917		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	708		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	689		N/A
29.517	91.0+126.0	2-Chlorotoluene	735		N/A
29.730	105.0+120.0	1,3,5-Trimethylbenzene	941	2276	0.089
29.521	91.0+126.0	4-Chlorotoluene	734		N/A
30.485	119.0+91.0	tert-Butylbenzene	813		N/A
30.723	105.0+120.0	1,2,4-Trimethylbenzene	963	2164	0.089
31.431	117.0	Pentachloroethane	624		N/A
31.110	105.0+134.0	sec-Butylbenzene	925	1321	0.052
30.523	119.0	4-Isopropyltoluene	717	482	0.026
31.582	146.0+148.0	1,3-Dichlorobenzene	949	719	0.055
31.583	146.0+148.0	1,4-Dichlorobenzene	950	914	0.070
32.112	91.0	Benzyl Chloride	348		N/A
32.544	91.0+134.0	n-Butylbenzene	965	2218	0.113
32.768	146.0+148.0	1,2-Dichlorobenzene	954	1315	0.106
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	727		N/A
37.599	180.0+182.0	1,2,4-Trichlorobenzene	992	7880	0.938
36.683	225.0+226.0	Hexachlorobutadiene	949		N/A
37.075	128.0	Naphthalene	997	7847	1.259
37.601	180.0+182.0	1,2,3-Trichlorobenzene	992	6630	0.814

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	c:\varianws\data\4oct12\4oct121414.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	20ppb 524.2 ccv 3	**Acquisition Date:**	10/20/2012 4:59:42 AM
Inj. Notes:	w#12090602	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.027	96.0+70.0	Fluorobenzene (IS1)	905	185136	25.000
25.250	117.0	Chlorobenzene-d5(IS2)	986	173435	25.000
31.726	152.0	1,4-Dichlorobenzene-d4(IS3)	991	105293	25.000
4.828	85.0	Dichlorodifluoromethane	853	50687	15.903
5.462	50.0+52.0+49.0	Chloromethane	992	54233	19.302
5.828	62.0+64.0	Vinyl Chloride	998	53178	19.059 ✓
7.029	94.0+45.0	Bromomethane	931	20918	19.286
7.414	45.0+49.0	Chloroethane	662	3238	17.538
8.265	101.0+103.0	Trichlorofluoromethane	980	137375	19.634
9.527	59.0	Ethyl ether	960	12305	19.409
10.240	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	920	82292	19.832
11.202	56.0	Acrolein	505		N/A
10.318	96.0+61.0+98.0	1,1-Dichloroethene	946	103738	19.297 ✓
10.873	142.0	Iodomethane	938	68739	17.480
10.810	43.0+58.0	Acetone	900	5438	17.202
11.515	45.0	Isopropyl alcohol (2-Propanol)	696		N/A
10.984	76.0	Carbon disulfide	717	84297	18.967
13.380	41.0	Acetonitrile	686	83735	21.303
11.651	41.0+39.0	Allyl chloride	960	162503	20.679
12.147	84.0+49.0+86.0	Methylene Chloride	882	112400	18.541
12.640	59.0	tert-Butanol	961	12813	97.522
12.784	73.0	Methyl-tert-butyl-ether (MTBE)	984	67018	19.440 ✓
12.823	61.0+96.0	t-1,2-Dichloroethene	980	133357	20.704

ALAB : 00343

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.097	53.0	Acrylonitrile	989	3784	17.771
13.380	41.0	n-Hexane	997	85473	21.690
14.091	63.0	1,1-Dichloroethane	974	90996	21.612
14.298	43.0	Vinyl acetate	168		N/A
14.086	45.0	Isopropyl ether	952	137342	22.723
14.230	53.0	Chloroprene	995	97081	21.746
14.987	59.0	Ethyl-tert-butyl-ether	985	145667	21.148
15.467	77.0+41.0	2,2-Dichloropropane	998	108897	19.234
15.573	61.0+96.0	c-1,2-Dichloroethene	988	133527	21.732
15.688	43.0+72.0	2-Butanone (MEK)	606	9507	18.398
15.961	54.0	Propionitrile	833	1551	17.647
16.137	130.0+49.0	Bromochloromethane	996	77125	21.077
17.561	39.0	Methacrylonitrile	320	18449	20.048
16.297	83.0+85.0	Chloroform	993	162258	20.698 ✓
16.599	97.0+99.0	1,1,1-Trichloroethane	997	199828	20.779
16.670	111.0	Dibromofluoromethane (Surr1)	984	39474	25.883
16.892	117.0+119.0	Carbon Tetrachloride	989	161469	20.653
16.199	42.0+72.0	Tetrahydrofuran	663	5827	18.969
16.966	75.0+39.0	1,1-Dichloropropene	997	125057	20.794
17.400	78.0	Benzene	988	129547	20.586 ✓
17.443	65.0	1,2-Dichloroethane-d4 (Surr2)	979	57707	27.851
17.608	62.0+64.0	1,2-Dichloroethane	984	86298	21.234
17.558	73.0+55.0+87.0	tert-Amyl-methyl-ether	996	137950	20.458
18.762	130.0+132.0+95.0	Trichloroethene	996	168206	18.962 ✓
19.424	41.0	Methyl methacrylate	998	26676	20.675
19.297	63.0+65.0	1,2-Dichloropropane	998	47160	20.571 ✓
19.569	93.0+174.0	Dibromomethane	995	52491	18.429
20.281	88.0	1,4-Dioxane	398		N/A
19.840	83.0+85.0	Bromodichloromethane	998	120820	18.857
20.419	63.0+43.0	2-Chloroethyl vinyl ether	617	5366	18.250
20.766	75.0+77.0+39.0	c-1,3-Dichloropropene	973	126198	18.694
21.038	43.0+58.0	4-Methyl-2-pentanone	995	32980	18.195
21.250	98.0	Toluene-d8 (Surr3)	995	221439	23.859
21.405	92.0+91.0	Toluene	998	427336	19.524 ✓
22.050	69.0	Ethyl methacrylate	994	21609	16.874
23.076	43.0+58.0+100.0	2-Hexanone	989	20545	16.040
22.079	75.0+77.0	t-1,3-Dichloropropene	982	63339	19.828
22.538	97.0+99.0	1,1,2-Trichloroethane	999	64730	19.491
22.701	164.0+166.0	Tetrachloroethene	997	19382	19.682 ✓
23.002	76.0+41.0	1,3-Dichloropropane	998	99505	20.457
17.440	41.0	Isobutyl alcohol	236		N/A
23.568	129.0+127.0	Dibromochloromethane	996	83749	19.942
23.967	107.0+109.0	1,2-Dibromoethane	998	85410	20.188
25.749	91.0	1-Chlorohexane	983		N/A
25.338	112.0+114.0	Chlorobenzene	994	280277	19.992 ✓
25.505	106.0+91.0	Ethylbenzene	996	544184	19.462 ✓
25.570	131.0+117.0	1,1,1,2-Tetrachloroethane	996	114012	20.416
25.855	106.0+91.0	p,m-Xylenes	998	1.043E6	39.057 ✓
27.051	106.0+91.0	o-Xylene	996	547813	20.263 ✓
27.126	104.0+78.0	Styrene	996	321539	19.794
27.787	171.0+173.0+175.0	Bromoform	986	50782	18.967

ALAB : 093449

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.033	105.0+120.0	Isopropylbenzene	992	566571	19.596
28.456	75.0	cis-1,4-Dichloro-2-butene	996	8733	19.024
28.654	95.0	p-Bromofluorobenzene (Surr4)	998	129179	24.718
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	994	79120	19.247
29.077	77.0+158.0	Bromobenzene	982	242183	19.320
29.182	91.0+120.0	n-Propylbenzene	996	678032	20.114
29.254	75.0	trans-1,4-Dichloro-2-butene	977	43610	20.579
29.253	75.0+110.0	1,2,3-Trichloropropane	984	55698	19.793
29.545	91.0+126.0	2-Chlorotoluene	998	420570	19.616
29.663	105.0+120.0	1,3,5-Trimethylbenzene	998	629595	19.905
29.545	91.0+126.0	4-Chlorotoluene	996	420570	20.272
30.508	119.0+91.0	tert-Butylbenzene	868	808985	20.819
30.684	105.0+120.0	1,2,4-Trimethylbenzene	997	566186	18.690
31.446	117.0	Pentachloroethane	418	84222	20.485
31.088	105.0+134.0	sec-Butylbenzene	990	647223	20.607
30.506	119.0	4-Isopropyltoluene	882	463010	20.165
31.547	146.0+148.0	1,3-Dichlorobenzene	996	319330	19.698
31.548	146.0+148.0	1,4-Dichlorobenzene	997	315776	19.389
32.112	91.0	Benzyl Chloride	511		N/A
32.500	91.0+134.0	n-Butylbenzene	996	472193	19.335
32.745	146.0+148.0	1,2-Dichlorobenzene	996	312956	20.382
34.669	75.0+157.0	1,2-Dibromo-3-chloropropane	981	32559	19.604
37.581	180.0+182.0	1,2,4-Trichlorobenzene	993	181919	17.443
36.701	225.0+226.0	Hexachlorobutadiene	971	134065	19.366
37.046	128.0	Naphthalene	996	133297	17.226
37.584	180.0+182.0	1,2,3-Trichlorobenzene	996	179099	17.703

VOLATILE CONTINUING CALIBRATION CHECK

EPA Method 8260A

Lab Name: Associated Labs Contract:

Lab Code: # 4 Case No.: SAS No.: SDG No.:

Instrument ID: Continuing Cal. Sample Date: 10/19/2012 Time: 3:28

Heated Purge (Y/N): No Initial Cal. Sample Date: 10/18/2012 10/18/2012

GC Column: ID: (mm) Initial Cal. Sample Time: 10:15 22:33

Initial Calibration File: C:\VarianWS\data\4Oct12\4oct121377.SMS

Lab File ID: c:\varianws\data\4oct12\4oct121383.SMS

RRF = (Area(sample)/Amount(sample))/(Area(standard)/Amount(standard))

Compound	RRF	MinRRF	Ci	Cc	% D	Max %D
Dichlorodifluoromethane	0.449	0.100	25.00	26.08	-4.3	20.0
Chloromethane	0.414	0.100	25.00	27.27	-9.1	20.0
Vinyl Chloride	0.380	0.100	25.00	25.23	-0.9	20.0
Bromomethane	0.142	0.100	25.00	24.18	3.3	20.0
Chloroethane	0.024	0.100	25.00	24.22	3.1	20.0
Trichlorofluoromethane	0.979	0.100	25.00	25.90	-3.6	20.0
Ethyl ether	0.091	0.100	25.00	26.61	-6.4	20.0
Trichlorotrifluoroethane (Freon 113)	0.575	0.100	25.00	25.67	-2.7	20.0
Acrolein	0.000	0.100	25.00	0.00	100.0	20.0
1,1-Dichloroethene	0.737	0.100	25.00	25.40	-1.6	20.0
Iodomethane	0.542	0.100	25.00	25.52	-2.1	20.0
Acetone	0.040	0.100	25.00	23.51	6.0	20.0
Isopropyl alcohol (2-Propanol)	0.000	0.100	25.00	0.00	100.0	20.0
Carbon disulfide	0.582	0.100	25.00	24.26	3.0	20.0
Acetonitrile	0.563	0.100	25.00	26.52	-6.1	20.0
Allyl chloride	1.090	0.100	25.00	25.67	-2.7	20.0
Methylene Chloride	0.761	0.100	25.00	23.25	7.0	20.0
tert-Butanol	0.018	0.100	125.00	123.87	0.9	20.0
Methyl-tert-butyl-ether (MTBE)	0.459	0.100	25.00	24.63	1.5	20.0
t-1,2-Dichloroethene	0.891	0.100	25.00	25.61	-2.4	20.0
Acrylonitrile	0.027	0.100	25.00	23.63	5.5	20.0
n-Hexane	0.563	0.100	25.00	26.47	-5.9	20.0
1,1-Dichloroethane	0.615	0.100	25.00	27.06	-8.2	20.0
Vinyl acetate	0.000	0.100	25.00	0.00	100.0	20.0
Isopropyl ether	0.902	0.100	25.00	27.64	-10.6	20.0
Chloroprene	0.642	0.100	25.00	26.64	-6.6	20.0
Ethyl-tert-butyl-ether	0.994	0.100	25.00	26.71	-6.8	20.0
2,2-Dichloropropane	0.677	0.100	25.00	22.14	11.4	20.0
c-1,2-Dichloroethene	0.898	0.100	25.00	27.05	-8.2	20.0
2-Butanone (MEK)	0.071	0.100	25.00	25.36	-1.5	20.0
Propionitrile	0.011	0.100	25.00	23.81	4.8	20.0
Bromochloromethane	0.522	0.100	25.00	26.40	-5.6	20.0
Methacrylonitrile	0.140	0.100	25.00	28.07	-12.3	20.0
Chloroform	1.083	0.100	25.00	25.58	-2.3	20.0
1,1,1-Trichloroethane	1.315	0.100	25.00	25.32	-1.3	20.0
Dibromofluoromethane (Surr1)	0.213	0.100	25.00	25.80	-3.2	20.0

Compound	RRF	MinRRF	Ci	Cc	% D	Max %D
Carbon Tetrachloride	1.074	0.100	25.00	25.44	-1.7	20.0
Tetrahydrofuran	0.041	0.100	25.00	24.81	0.8	20.0
1,1-Dichloropropene	0.811	0.100	25.00	24.96	0.1	20.0
Benzene	0.840	0.100	25.00	24.70	1.2	20.0
1,2-Dichloroethane-d4 (Surr2)	0.291	0.100	25.00	25.97	-3.9	20.0
1,2-Dichloroethane	0.614	0.100	25.00	27.99	-12.0	20.0
tert-Amyl-methyl-ether	0.954	0.100	25.00	26.21	-4.8	20.0
Trichloroethene	1.301	0.100	25.00	25.44	-1.8	20.0
Methyl methacrylate	0.221	0.100	25.00	29.70	-18.8	20.0
1,2-Dichloropropane	0.352	0.100	25.00	26.66	-6.6	20.0
Dibromomethane	0.432	0.100	25.00	26.29	-5.2	20.0
1,4-Dioxane	0.000	0.100	25.00	0.00	100.0	20.0
Bromodichloromethane	0.940	0.100	25.00	25.44	-1.8	20.0
2-Chloroethyl vinyl ether	0.043	0.100	25.00	25.27	-1.1	20.0
c-1,3-Dichloropropene	1.024	0.100	25.00	26.31	-5.3	20.0
4-Methyl-2-pentanone	0.294	0.100	25.00	28.11	-12.4	20.0
Toluene-d8 (Surr3)	1.337	0.100	25.00	24.98	0.1	20.0
Toluene	3.152	0.100	25.00	24.97	0.1	20.0
Ethyl methacrylate	0.185	0.100	25.00	25.08	-0.3	20.0
2-Hexanone	0.193	0.100	25.00	26.19	-4.8	20.0
t-1,3-Dichloropropene	0.473	0.100	25.00	25.70	-2.8	20.0
1,1,2-Trichloroethane	0.512	0.100	25.00	26.72	-6.9	20.0
Tetrachloroethene	0.144	0.100	25.00	25.40	-1.6	20.0
1,3-Dichloropropane	0.742	0.100	25.00	26.46	-5.8	20.0
Isobutyl alcohol	0.000	0.100	25.00	0.00	100.0	20.0
Dibromochloromethane	0.635	0.100	25.00	26.22	-4.9	20.0
1,2-Dibromoethane	0.655	0.100	25.00	26.83	-7.3	20.0
1-Chlorohexane	0.000	0.100	25.00	0.00	100.0	20.0
Chlorobenzene	2.028	0.100	25.00	25.08	-0.3	20.0
Ethylbenzene	6.695	0.100	25.00	25.21	-0.8	20.0
1,1,1,2-Tetrachloroethane	1.411	0.100	25.00	26.60	-6.4	20.0
p,m-Xylenes	6.365	0.100	50.00	50.20	-0.4	20.0
o-Xylene	6.489	0.100	25.00	25.27	-1.1	20.0
Styrene	4.070	0.100	25.00	26.38	-5.5	20.0
Bromoform	0.651	0.100	25.00	25.62	-2.5	20.0
Isopropylbenzene	6.879	0.100	25.00	25.05	-0.2	20.0
cis-1,4-Dichloro-2-butene	0.102	0.100	25.00	23.51	6.0	20.0
p-Bromofluorobenzene (Surr4)	1.252	0.100	25.00	25.23	-0.9	20.0
1,1,2,2-Tetrachloroethane	0.998	0.100	25.00	25.56	-2.2	20.0
Bromobenzene	3.166	0.100	25.00	26.59	-6.4	20.0
n-Propylbenzene	7.995	0.100	25.00	24.97	0.1	20.0
trans-1,4-Dichloro-2-butene	0.527	0.100	25.00	26.18	-4.7	20.0
1,2,3-Trichloropropane	0.692	0.100	25.00	25.88	-3.5	20.0
2-Chlorotoluene	5.089	0.100	25.00	24.99	0.0	20.0
1,3,5-Trimethylbenzene	7.304	0.100	25.00	24.31	2.7	20.0
4-Chlorotoluene	5.011	0.100	25.00	25.43	-1.7	20.0
tert-Butylbenzene	9.367	0.100	25.00	25.38	-1.5	20.0
1,2,4-Trimethylbenzene	6.820	0.100	25.00	23.71	5.2	20.0
Pentachloroethane	0.976	0.100	25.00	25.00	0.0	20.0
sec-Butylbenzene	7.475	0.100	25.00	25.06	-0.2	20.0

Compound	RRF	MinRRF	Ci	Cc	% D	Max %D
4-Isopropyltoluene	5.434	0.100	25.00	24.92	0.3	20.0
1,3-Dichlorobenzene	3.762	0.100	25.00	24.43	2.3	20.0
1,4-Dichlorobenzene	3.799	0.100	25.00	24.56	1.8	20.0
Benzyl Chloride	0.000	0.100	25.00	0.00	100.0	20.0
n-Butylbenzene	5.162	0.100	25.00	22.26	11.0	20.0
1,2-Dichlorobenzene	3.582	0.100	25.00	24.56	1.8	20.0
1,2-Dibromo-3-chloropropane	0.399	0.100	25.00	25.33	-1.3	20.0
1,2,4-Trichlorobenzene	2.188	0.100	25.00	22.09	11.6	20.0
Hexachlorobutadiene	1.462	0.100	25.00	22.24	11.0	20.0
Naphthalene	1.818	0.100	25.00	24.74	1.0	20.0
1,2,3-Trichlorobenzene	2.129	0.100	25.00	22.16	11.4	20.0

VOLATILE CONTINUING CALIBRATION CHECK

EPA Method 8260A

Lab Name: Associated Labs Contract:

Lab Code: # 4 Case No.: SAS No.: SDG No.:

Instrument ID: Continuing Cal. Sample Date: 10/19/2012 Time: 17:28

Heated Purge (Y/N): No Initial Cal. Sample Date: 10/18/2012 10/18/2012

GC Column: ID: (mm) Initial Cal. Sample Time: 10:15 22:33

Initial Calibration File: C:\VarianWS\data\4Oct12\4oct121377.SMS

Lab File ID: c:\varianws\data\4oct12\4oct121400.SMS

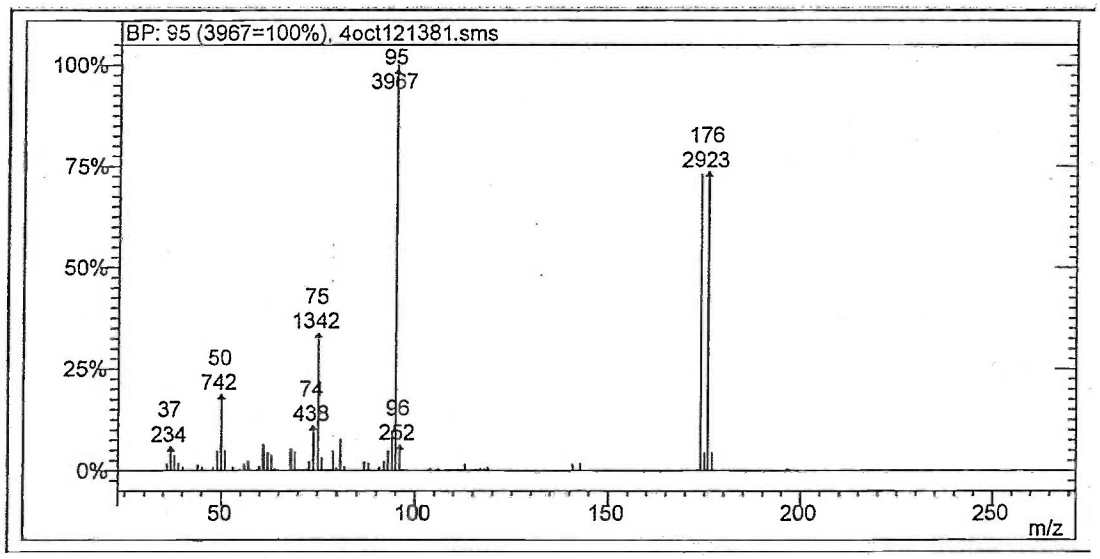
RRF = (Area(sample)/Amount(sample))/(Area(standard)/Amount(standard))

Compound	RRF	MinRRF	Ci	Cc	% D	Max %D
Dichlorodifluoromethane	0.457	0.100	25.00	26.54	-6.2	20.0
Chloromethane	0.432	0.100	25.00	28.49	-14.0	20.0
Vinyl Chloride	0.404	0.100	25.00	26.81	-7.3	20.0
Bromomethane	0.160	0.100	25.00	27.27	-9.1	20.0
Chloroethane	0.025	0.100	25.00	24.94	0.3	20.0
Trichlorofluoromethane	0.998	0.100	25.00	26.39	-5.6	20.0
Ethyl ether	0.088	0.100	25.00	25.77	-3.1	20.0
Trichlorotrifluoroethane (Freon 113)	0.588	0.100	25.00	26.23	-4.9	20.0
Acrolein	0.000	0.100	25.00	0.00	100.0	20.0
1,1-Dichloroethene	0.793	0.100	25.00	27.30	-9.2	20.0
Iodomethane	0.538	0.100	25.00	25.35	-1.4	20.0
Acetone	0.039	0.100	25.00	22.56	9.8	20.0
Isopropyl alcohol (2-Propanol)	0.000	0.100	25.00	0.00	100.0	20.0
Carbon disulfide	0.598	0.100	25.00	24.91	0.4	20.0
Acetonitrile	0.585	0.100	25.00	27.57	-10.3	20.0
Allyl chloride	1.173	0.100	25.00	27.63	-10.5	20.0
Methylene Chloride	0.873	0.100	25.00	26.66	-6.7	20.0
tert-Butanol	0.019	0.100	125.00	133.28	-6.6	20.0
Methyl-tert-butyl-ether (MTBE)	0.468	0.100	25.00	25.12	-0.5	20.0
t-1,2-Dichloroethene	0.936	0.100	25.00	26.89	-7.6	20.0
Acrylonitrile	0.029	0.100	25.00	24.93	0.3	20.0
n-Hexane	0.595	0.100	25.00	27.94	-11.7	20.0
1,1-Dichloroethane	0.630	0.100	25.00	27.68	-10.7	20.0
Vinyl acetate	0.000	0.100	25.00	0.00	100.0	20.0
Isopropyl ether	0.914	0.100	25.00	28.01	-12.0	20.0
Chloroprene	0.651	0.100	25.00	27.01	-8.0	20.0
Ethyl-tert-butyl-ether	1.027	0.100	25.00	27.61	-10.4	20.0
2,2-Dichloropropane	0.855	0.100	25.00	27.96	-11.8	20.0
c-1,2-Dichloroethene	0.930	0.100	25.00	28.01	-12.0	20.0
2-Butanone (MEK)	0.066	0.100	25.00	23.48	6.1	20.0
Propionitrile	0.012	0.100	25.00	26.02	-4.1	20.0
Bromochloromethane	0.523	0.100	25.00	26.48	-5.9	20.0
Methacrylonitrile	0.135	0.100	25.00	27.20	-8.8	20.0
Chloroform	1.116	0.100	25.00	26.35	-5.4	20.0
1,1,1-Trichloroethane	1.375	0.100	25.00	26.47	-5.9	20.0
Dibromofluoromethane (Surr1)	0.210	0.100	25.00	25.44	-1.8	20.0

Compound	RRF	MinRRF	Ci	Cc	% D	Max %D
Carbon Tetrachloride	1.119	0.100	25.00	26.49	-6.0	20.0
Tetrahydrofuran	0.040	0.100	25.00	24.32	2.7	20.0
1,1-Dichloropropene	0.873	0.100	25.00	26.88	-7.5	20.0
Benzene	0.866	0.100	25.00	25.48	-1.9	20.0
1,2-Dichloroethane-d4 (Surr2)	0.287	0.100	25.00	25.63	-2.5	20.0
1,2-Dichloroethane	0.607	0.100	25.00	27.65	-10.6	20.0
tert-Amyl-methyl-ether	0.969	0.100	25.00	26.60	-6.4	20.0
Trichloroethene	1.337	0.100	25.00	26.14	-4.6	20.0
Methyl methacrylate	0.215	0.100	25.00	28.86	-15.4	20.0
1,2-Dichloropropane	0.360	0.100	25.00	27.27	-9.1	20.0
Dibromomethane	0.429	0.100	25.00	26.10	-4.4	20.0
1,4-Dioxane	0.000	0.100	25.00	0.00	100.0	20.0
Bromodichloromethane	0.981	0.100	25.00	26.55	-6.2	20.0
2-Chloroethyl vinyl ether	0.041	0.100	25.00	24.15	3.4	20.0
c-1,3-Dichloropropene	1.070	0.100	25.00	27.49	-10.0	20.0
4-Methyl-2-pentanone	0.284	0.100	25.00	27.14	-8.5	20.0
Toluene-d8 (Surr3)	1.353	0.100	25.00	25.28	-1.1	20.0
Toluene	3.295	0.100	25.00	26.11	-4.4	20.0
Ethyl methacrylate	0.179	0.100	25.00	24.25	3.0	20.0
2-Hexanone	0.181	0.100	25.00	24.46	2.2	20.0
t-1,3-Dichloropropene	0.517	0.100	25.00	28.06	-12.3	20.0
1,1,2-Trichloroethane	0.511	0.100	25.00	26.70	-6.8	20.0
Tetrachloroethene	0.152	0.100	25.00	26.77	-7.1	20.0
1,3-Dichloropropane	0.736	0.100	25.00	26.24	-4.9	20.0
Isobutyl alcohol	0.000	0.100	25.00	0.00	100.0	20.0
Dibromochloromethane	0.648	0.100	25.00	26.76	-7.0	20.0
1,2-Dibromoethane	0.664	0.100	25.00	27.21	-8.8	20.0
1-Chlorohexane	0.000	0.100	25.00	0.00	100.0	20.0
Chlorobenzene	2.053	0.100	25.00	25.40	-1.6	20.0
Ethylbenzene	6.932	0.100	25.00	26.10	-4.4	20.0
1,1,1,2-Tetrachloroethane	1.432	0.100	25.00	26.99	-8.0	20.0
p,m-Xylenes	6.634	0.100	50.00	52.32	-4.6	20.0
o-Xylene	6.770	0.100	25.00	26.37	-5.5	20.0
Styrene	4.194	0.100	25.00	27.18	-8.7	20.0
Bromoform	0.642	0.100	25.00	25.24	-0.9	20.0
Isopropylbenzene	7.175	0.100	25.00	26.13	-4.5	20.0
cis-1,4-Dichloro-2-butene	0.122	0.100	25.00	28.09	-12.3	20.0
p-Bromofluorobenzene (Surr4)	1.229	0.100	25.00	24.76	1.0	20.0
1,1,2,2-Tetrachloroethane	1.004	0.100	25.00	25.71	-2.8	20.0
Bromobenzene	3.225	0.100	25.00	27.09	-8.4	20.0
n-Propylbenzene	8.485	0.100	25.00	26.50	-6.0	20.0
trans-1,4-Dichloro-2-butene	0.536	0.100	25.00	26.63	-6.5	20.0
1,2,3-Trichloropropane	0.663	0.100	25.00	24.80	0.8	20.0
2-Chlorotoluene	5.215	0.100	25.00	25.61	-2.5	20.0
1,3,5-Trimethylbenzene	7.598	0.100	25.00	25.29	-1.2	20.0
4-Chlorotoluene	5.129	0.100	25.00	26.03	-4.1	20.0
tert-Butylbenzene	9.638	0.100	25.00	26.12	-4.5	20.0
1,2,4-Trimethylbenzene	7.168	0.100	25.00	24.91	0.3	20.0
Pentachloroethane	0.982	0.100	25.00	25.14	-0.5	20.0
sec-Butylbenzene	7.792	0.100	25.00	26.12	-4.5	20.0

Compound	RRF	MinRRF	Ci	Cc	% D	Max %D
4-Isopropyltoluene	5.609	0.100	25.00	25.72	-2.9	20.0
1,3-Dichlorobenzene	4.019	0.100	25.00	26.10	-4.4	20.0
1,4-Dichlorobenzene	4.081	0.100	25.00	26.38	-5.5	20.0
Benzyl Chloride	0.000	0.100	25.00	0.00	100.0	20.0
n-Butylbenzene	5.912	0.100	25.00	25.49	-2.0	20.0
1,2-Dichlorobenzene	3.724	0.100	25.00	25.54	-2.1	20.0
1,2-Dibromo-3-chloropropane	0.402	0.100	25.00	25.51	-2.0	20.0
1,2,4-Trichlorobenzene	2.298	0.100	25.00	23.20	7.2	20.0
Hexachlorobutadiene	1.635	0.100	25.00	24.87	0.5	20.0
Naphthalene	1.733	0.100	25.00	23.58	5.7	20.0
1,2,3-Trichlorobenzene	2.219	0.100	25.00	23.10	7.6	20.0

BFB 8260B Report



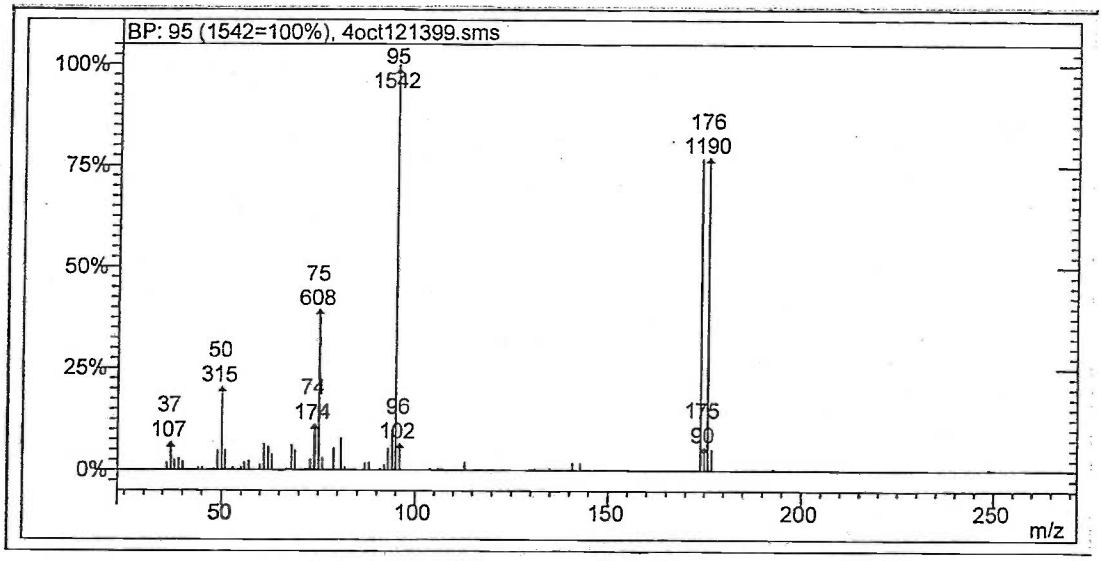
Lab File ID: 4oct121381.sms

Injection Date: 10/19/2012

Injection Time: 1:51

m/z	Acceptance Criterion	Value	Pass/Fail
50	15-40% of m/z 95	18.70	PASS
75	30-60% of m/z 95	33.83	PASS
95	base peak	100.00	PASS
96	5-9% of m/z 95	6.35	PASS
173	<2% of m/z 174	0.24	PASS
174	>50% of m/z 95	73.08	PASS
175	5-9% of m/z 174	6.07	PASS
176	>95% but <101% of m/z 174	100.83	PASS
177	5-9% of m/z 176	5.92	PASS

BFB 8260B Report



Lab File ID: 4oct121399.sms

Injection Date: 10/19/2012

Injection Time: 16:39

m/z	Acceptance Criterion	Value	Pass/Fail
50	15-40% of m/z 95	20.43	PASS
75	30-60% of m/z 95	39.43	PASS
95	base peak	100.00	PASS
96	5-9% of m/z 95	6.61	PASS
173	<2% of m/z 174	0.25	PASS
174	>50% of m/z 95	76.78	PASS
175	5-9% of m/z 174	7.60	PASS
176	>95% but <101% of m/z 174	100.51	PASS
177	5-9% of m/z 176	6.72	PASS

****

Varian Star Workstation - RecalcList Fri Oct 19 10:16:01 2012

RecalcList: C:\VarianWS\8260list.rcl

Created: Wed Dec 01 10:37:29 2004
Modified: Fri Oct 19 10:09:59 2012

MS#4 524.2 101812 -35°C

****

Line	Sample Name	Data File
1	tune	c:\varianws\data\4oct12\4oct121359.SMS
2	mb	c:\varianws\data\4oct12\4oct121360.SMS
3	1ppb 8260 ic	c:\varianws\data\4oct12\4oct121361.SMS
4	0.5ppb 524.2 ic	c:\varianws\data\4oct12\4oct121362.SMS
5	5ppb 8260 ic	c:\varianws\data\4oct12\4oct121363.SMS
6	2.5ppb 524.2 ic	c:\varianws\data\4oct12\4oct121364.SMS
7	20ppb 8260 ic	c:\varianws\data\4oct12\4oct121365.SMS
8	10ppb 524.2 ic	c:\varianws\data\4oct12\4oct121366.SMS
9	50ppb 8260 ic	c:\varianws\data\4oct12\4oct121367.SMS
10	25ppb 524.2 ic	c:\varianws\data\4oct12\4oct121368.SMS
11	100ppb 8260 ic	c:\varianws\data\4oct12\4oct121369.SMS
12	50ppb 524.2 ic	c:\varianws\data\4oct12\4oct121370.SMS
13	150ppb 8260 ic	c:\varianws\data\4oct12\4oct121371.SMS
14	75ppb 524.2 ic	c:\varianws\data\4oct12\4oct121372.SMS
15	200ppb 8260 ic	c:\varianws\data\4oct12\4oct121373.SMS
16	tune	c:\varianws\data\4oct12\4oct121374.SMS
17	100ppb 524.2 ic	c:\varianws\data\4oct12\4oct121375.SMS
18	250ppb 8260 ic	c:\varianws\data\4oct12\4oct121376.SMS
19	125ppb 524.2 ic	c:\varianws\data\4oct12\4oct121377.SMS
20	rinse	c:\varianws\data\4oct12\4oct121378.SMS
21	rinse	c:\varianws\data\4oct12\4oct121379.SMS
22	rinse	c:\varianws\data\4oct12\4oct121380.SMS
23	10ppb BFB tune 1	c:\varianws\data\4oct12\4oct121381.SMS
24	50ppb 8260 ccv 1	c:\varianws\data\4oct12\4oct121382.SMS
25	25ppb 524.2 ccv 1	c:\varianws\data\4oct12\4oct121383.SMS
26	50ppb 8260 lcs 1	c:\varianws\data\4oct12\4oct121384.SMS
27	25ppb 524.2 lcs 1	c:\varianws\data\4oct12\4oct121385.SMS
28	rinse	c:\varianws\data\4oct12\4oct121386.SMS
29	method blk 1	c:\varianws\data\4oct12\4oct121387.SMS
30	312094-001_10mL-1	c:\varianws\data\4oct12\4oct121388.SMS
31	312094-002_10mL-8	c:\varianws\data\4oct12\4oct121389.SMS
32	312094-004_10mL-5	c:\varianws\data\4oct12\4oct121390.SMS

ALAB : 00354

VOLATILE ORGANICS INITIAL CALIBRATION DATA

EPA Method 8260A

Lab Name: Associated Labs Contract:

Lab Code: # 4 Case No.: SAS No: SDG No:

Instrument ID: Cal. Sample Date(s): 10/18/2012 10/18/2012

Heated Purge (Y/N): No Cal. Sample Time(s): 10:15 22:33

GC Column: ID: (mm)

Calibration File: C:\VarianWS\data\4Oct12\4oct121377.SMS

Index: 1	Level: 1	Replicate: 1	Acquired: 10/18/2012 10:15	File: C:\VarianWS\data\4Oct12\4oct121362.SMS
Index: 2	Level: 2	Replicate: 1	Acquired: 10/18/2012 11:53	File: C:\VarianWS\data\4Oct12\4oct121364.SMS
Index: 3	Level: 3	Replicate: 1	Acquired: 10/18/2012 13:32	File: C:\VarianWS\data\4Oct12\4oct121366.SMS
Index: 4	Level: 4	Replicate: 1	Acquired: 10/18/2012 15:10	File: C:\VarianWS\data\4Oct12\4oct121368.SMS
Index: 5	Level: 5	Replicate: 1	Acquired: 10/18/2012 16:48	File: C:\VarianWS\data\4Oct12\4oct121370.SMS
Index: 6	Level: 6	Replicate: 1	Acquired: 10/18/2012 18:27	File: C:\VarianWS\data\4Oct12\4oct121372.SMS
Index: 7	Level: 7	Replicate: 1	Acquired: 10/18/2012 20:54	File: C:\VarianWS\data\4Oct12\4oct121375.SMS
Index: 8	Level: 8	Replicate: 1	Acquired: 10/18/2012 22:33	File: C:\VarianWS\data\4Oct12\4oct121377.SMS

RRF = (Area(sample)/(Amount(sample))/(Area(standard)/Amount(standard))

Compound	RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	Avg RRF	% RSD
Dichlorodifluoromethane	0.401	0.407	0.462	0.452	0.432	0.432	0.427	0.430	0.430	4.7
Chloromethane	0.396	0.395	0.441	0.430	0.383	0.346	0.331	0.314	0.379	12.0
Vinyl Chloride	0.349	0.336	0.383	0.402	0.395	0.381	0.389	0.378	0.377	6.1
Bromomethane	0.191	0.130	0.158	0.145	0.149	0.139	0.135	0.126	0.146	14.1
Chloroethane		0.024	0.026	0.024	0.025	0.025	0.026	0.025	0.025	3.6
Trichlorofluoromethane	0.845	0.891	0.999	0.991	0.969	0.939	0.954	0.970	0.945	5.6
Ethyl ether	0.074	0.084	0.093	0.087	0.088	0.089	0.085	0.084	0.086	6.5
Trichlorotrifluoroethane (Freon 113)	0.497	0.537	0.614	0.588	0.570	0.557	0.562	0.558	0.560	6.2
1,1-Dichloroethene	0.613	0.674	0.810	0.736	0.747	0.746	0.746	0.735	0.726	8.0
Iodomethane			0.423	0.553	0.554	0.537	0.568	0.550	0.531	10.1
Acetone		0.059	0.040	0.037	0.040	0.039	0.041	0.043	0.043	17.8
Carbon disulfide	0.632	0.626	0.620	0.603	0.590	0.565	0.582	0.583	0.600	4.0

Compound	RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	Avg RRF	% RSD
Acetonitrile	0.468	0.534	0.582	0.571	0.542	0.520	0.513	0.517	0.531	6.7
Allyl chloride	0.969	1.074	1.074	1.145	1.098	1.050	1.045	1.035	1.061	4.8
Methylene Chloride	0.859	0.794	0.727	0.823	0.888	0.810	0.816	0.831	0.819	5.8
tert-Butanol	0.016	0.016	0.018	0.018	0.018	0.018	0.018	0.019	0.018	5.7
Methyl-tert-butyl-ether (MTBE)	0.402	0.493	0.479	0.476	0.456	0.456	0.474	0.487	0.466	6.2
t-1,2-Dichloroethene	0.843	0.922	0.957	0.926	0.875	0.828	0.811	0.797	0.870	6.8
Acrylonitrile		0.023	0.025	0.028	0.031	0.031	0.031	0.032	0.029	12.2
n-Hexane	0.461	0.534	0.582	0.571	0.550	0.520	0.522	0.517	0.532	7.0
1,1-Dichloroethane	0.569	0.646	0.650	0.612	0.569	0.532	0.494	0.476	0.569	11.5
Isopropyl ether	0.737	0.872	0.957	0.908	0.827	0.767	0.732	0.729	0.816	10.8
Chloroprene	0.494	0.612	0.654	0.657	0.629	0.589	0.593	0.594	0.603	8.5
Ethyl-tert-butyl-ether	0.945	0.988	1.056	0.998	0.920	0.883	0.826	0.826	0.930	8.9
2,2-Dichloropropane	0.902	0.832	0.838	0.782	0.752	0.698	0.664	0.648	0.765	11.8
c-1,2-Dichloroethene	0.722	0.765	0.908	0.907	0.864	0.824	0.808	0.839	0.830	7.9
2-Butanone (MEK)		0.045	0.065	0.070	0.072	0.076	0.079	0.082	0.070	17.6
Propionitrile		0.005	0.010	0.013	0.014	0.013	0.014	0.015	0.012	29.7
Bromochloromethane	0.469	0.476	0.539	0.520	0.501	0.475	0.476	0.497	0.494	5.1
Methacrylonitrile	0.080	0.131	0.133	0.143	0.134	0.127	0.125	0.121	0.124	15.4
Chloroform	1.036	1.011	1.122	1.096	1.071	1.027	1.049	1.057	1.059	3.5
1,1,1-Trichloroethane	1.180	1.310	1.374	1.361	1.313	1.267	1.291	1.294	1.299	4.6
Dibromofluoromethane (Surr1)	0.209	0.213	0.215	0.213	0.201	0.198	0.199	0.200	0.206	3.5
Carbon Tetrachloride	0.995	1.022	1.085	1.128	1.073	1.025	1.052	1.064	1.056	4.0
Tetrahydrofuran			0.047	0.042	0.037	0.038	0.043	0.042	0.041	9.2
1,1-Dichloropropene	0.820	0.818	0.882	0.849	0.813	0.780	0.761	0.774	0.812	5.0
Benzene	0.898	0.870	0.880	0.867	0.829	0.796	0.818	0.841	0.850	4.1
1,2-Dichloroethane-d4 (Surr2)	0.292	0.322	0.306	0.298	0.277	0.252	0.242	0.249	0.280	10.6
1,2-Dichloroethane	0.447	0.565	0.626	0.623	0.562	0.535	0.523	0.509	0.549	10.8
tert-Amyl-methyl-ether	0.850	0.971	0.995	0.946	0.914	0.878	0.860	0.872	0.911	6.0
Trichloroethene	1.123	1.289	1.345	1.338	1.307	1.271	1.276	1.281	1.279	5.4
Methyl methacrylate	0.219	0.057	0.187	0.212	0.212	0.206	0.199	0.195	0.186	28.5
1,2-Dichloropropane	0.308	0.348	0.377	0.351	0.342	0.324	0.299	0.294	0.330	8.8
Dibromomethane	0.351	0.391	0.447	0.439	0.421	0.418	0.406	0.412	0.411	7.3
Bromodichloromethane	0.763	0.924	1.001	0.942	0.947	0.920	0.942	0.951	0.924	7.5
2-Chloroethyl vinyl ether	0.041	0.029	0.045	0.041	0.041	0.046	0.047	0.049	0.042	14.8

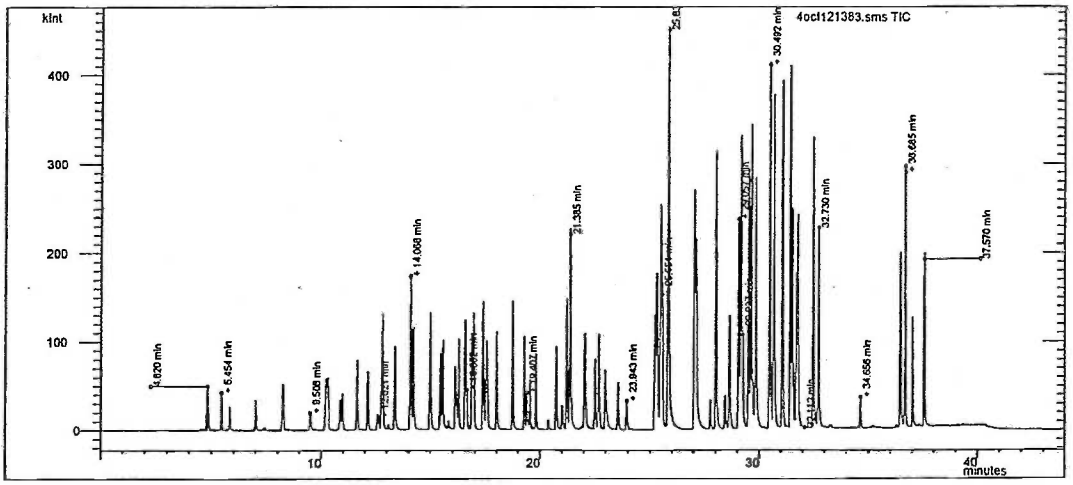
Compound	RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	Avg RRF	% RSD
c-1,3-Dichloropropene	0.764	0.901	1.089	1.056	1.052	0.987	0.969	0.967	0.973	10.7
4-Methyl-2-pentanone		0.169	0.258	0.285	0.278	0.276	0.281	0.284	0.261	16.0
Toluene-d8 (Surr3)	1.339	1.343	1.380	1.315	1.354	1.343	1.312	1.317	1.338	1.7
Toluene	3.125	3.269	3.329	3.222	3.138	3.038	3.022	3.097	3.155	3.5
Ethyl methacrylate			0.169	0.179	0.185	0.186	0.193	0.196	0.185	5.4
2-Hexanone		0.024	0.126	0.192	0.219	0.232	0.242	0.258	0.185	45.0
t-1,3-Dichloropropene	0.361	0.468	0.503	0.488	0.482	0.471	0.456	0.456	0.460	9.4
1,1,2-Trichloroethane	0.363	0.442	0.514	0.511	0.507	0.495	0.491	0.507	0.479	10.9
Tetrachloroethene	0.146	0.147	0.147	0.148	0.139	0.133	0.143	0.133	0.142	4.3
1,3-Dichloropropane	0.554	0.632	0.760	0.736	0.726	0.725	0.731	0.746	0.701	10.1
Dibromochloromethane	0.467	0.547	0.644	0.641	0.636	0.626	0.632	0.649	0.605	10.7
1,2-Dibromoethane	0.403	0.569	0.645	0.642	0.649	0.654	0.654	0.663	0.610	14.5
Chlorobenzene	2.127	2.014	2.069	2.048	2.015	1.953	1.973	1.969	2.021	2.9
Ethylbenzene	6.696	6.717	7.277	6.880	6.545	6.255	6.431	6.309	6.639	5.0
1,1,1,2-Tetrachloroethane	1.153	1.337	1.571	1.423	1.337	1.235	1.286	1.265	1.326	9.6
p,m-Xylenes	6.345	6.503	6.951	6.553	6.240	5.970	6.106	6.051	6.340	5.1
o-Xylene	6.423	6.627	7.071	6.648	6.203	6.010	6.238	6.132	6.419	5.4
Styrene	2.971	3.676	4.254	4.086	3.972	3.883	4.003	4.011	3.857	10.2
Bromoform	0.579	0.636	0.678	0.659	0.625	0.622	0.649	0.638	0.636	4.6
Isopropylbenzene	6.806	7.064	7.345	7.093	6.836	6.473	6.734	6.568	6.865	4.2
cis-1,4-Dichloro-2-butene	0.091	0.101	0.119	0.113	0.112	0.110	0.113	0.114	0.109	8.2
p-Bromofluorobenzene (Surr4)	1.310	1.222	1.268	1.236	1.199	1.224	1.255	1.213	1.241	2.9
1,1,2,2-Tetrachloroethane	0.900	1.029	1.079	0.987	0.956	0.930	0.975	0.952	0.976	5.8
Bromobenzene	2.800	2.884	3.116	3.255	2.938	2.915	2.974	2.927	2.976	4.8
n-Propylbenzene	7.973	8.169	8.639	8.324	8.004	7.628	7.637	7.657	8.004	4.6
trans-1,4-Dichloro-2-butene	0.436	0.510	0.570	0.526	0.499	0.478	0.506	0.501	0.503	7.6
1,2,3-Trichloropropane	0.664	0.688	0.758	0.693	0.645	0.614	0.644	0.638	0.668	6.7
2-Chlorotoluene	4.826	5.218	5.485	5.241	5.138	4.832	4.952	5.032	5.091	4.4
1,3,5-Trimethylbenzene	8.189	7.648	7.896	7.573	7.253	7.055	7.217	7.250	7.510	5.2
4-Chlorotoluene	4.566	5.142	5.325	5.069	4.911	4.735	4.867	4.792	4.926	4.9
tert-Butylbenzene	9.758	9.825	10.014	9.403	8.988	8.569	8.723	8.530	9.226	6.5
1,2,4-Trimethylbenzene	6.930	6.820	7.063	7.222	7.003	7.137	7.499	7.866	7.192	4.7
Pentachloroethane	1.085	1.027	1.036	0.977	0.921	0.925	0.897	0.943	0.976	6.8
sec-Butylbenzene	7.759	7.659	7.884	7.625	7.240	7.151	7.139	7.202	7.457	4.1

Compound	RRF1	RRF2	RRF3	RRF4	RRF5	RRF6	RRF7	RRF8	Avg RRF	% RSD
4-Isopropyltoluene	5.814	5.671	5.830	5.457	5.257	5.131	5.248	5.207	5.452	5.2
1,3-Dichlorobenzene	3.837	3.890	4.167	4.060	3.763	3.635	3.695	3.745	3.849	4.8
1,4-Dichlorobenzene	3.745	3.904	4.221	4.143	3.763	3.708	3.706	3.745	3.867	5.3
n-Butylbenzene	5.663	5.481	5.736	5.881	5.730	5.775	5.919	6.204	5.799	3.7
1,2-Dichlorobenzene	3.740	3.656	3.831	3.709	3.494	3.581	3.513	3.641	3.646	3.1
1,2-Dibromo-3-chloropropane	0.429	0.367	0.393	0.392	0.370	0.404	0.387	0.412	0.394	5.3
1,2,4-Trichlorobenzene	3.484	2.526	2.471	2.388	2.267	2.209	2.147	2.319	2.476	17.2
Hexachlorobutadiene	2.195	1.724	1.695	1.611	1.532	1.454	1.459	1.479	1.644	15.0
Naphthalene		1.954	1.970	1.854	1.713	1.834	1.652	1.885	1.837	6.4
1,2,3-Trichlorobenzene	3.210	2.515	2.378	2.323	2.212	2.178	2.115	2.287	2.402	14.5
									Average %RSD	8.2

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	c:\varianws\data\4oct12\4oct121383.sm s	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	25ppb 524.2 ccv 1	**Acquisition Date:**	10/19/2012 3:28:56 AM
Inj. Notes:	w#12090602	**Operator Name:**	NZ



RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.009	96.0+70.0	Fluorobenzene (IS1)	890	189709	25.000
25.231	117.0	Chlorobenzene-d5(IS2)	995	161370	25.000
31.712	152.0	1,4-Dichlorobenzene-d4(IS3)	963	90615	25.000
4.820	85.0	Dichlorodifluoromethane	956	85179	26.081
5.454	50.0+52.0+49.0	Chloromethane	990	78525	27.274
5.821	62.0+64.0	Vinyl Chloride	998	72144	25.233
7.021	94.0+45.0	Bromomethane	936	26873	24.179
7.403	45.0+49.0	Chloroethane	762	4581	24.215
8.252	101.0+103.0	Trichlorofluoromethane	979	185663	25.895
9.508	59.0	Ethyl ether	979	17286	26.608
10.223	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	919	109129	25.665
11.202	56.0	Acrolein	550		N/A
10.301	96.0+61.0+98.0	1,1-Dichloroethene	948	139906	25.397
10.857	142.0	Iodomethane	939	102854	25.525
10.798	43.0+58.0	Acetone	900	7616	23.510
11.515	45.0	Isopropyl alcohol (2-Propanol)	750		N/A
10.968	76.0	Carbon disulfide	721	110487	24.261
13.363	41.0	Acetonitrile	795	106814	26.519
11.633	41.0+39.0	Allyl chloride	959	206722	25.672
12.131	84.0+49.0+86.0	Methylene Chloride	892	144415	23.247
12.621	59.0	tert-Butanol	952	16678	123.873
12.767	73.0	Methyl-tert-butyl-ether (MTBE)	981	87000	24.628
12.807	61.0+96.0	t-1,2-Dichloroethene	978	169041	25.611

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.073	53.0	Acrylonitrile	990	5156	23.629
13.364	41.0	n-Hexane	997	106878	26.468
14.075	63.0	1,1-Dichloroethane	980	116738	27.057
14.298	43.0	Vinyl acetate	149		N/A
14.068	45.0	Isopropyl ether	954	171209	27.643
14.213	53.0	Chloroprene	995	121873	26.642
14.971	59.0	Ethyl-tert-butyl-ether	988	188486	26.705
15.450	77.0+41.0	2,2-Dichloropropane	998	128432	22.138
15.558	61.0+96.0	c-1,2-Dichloroethene	988	170337	27.054
15.659	43.0+72.0	2-Butanone (MEK)	778	13430	25.364
15.938	54.0	Propionitrile	845	2144	23.812
16.119	130.0+49.0	Bromochloromethane	997	98978	26.397
17.538	39.0	Methacrylonitrile	328	26469	28.070
16.279	83.0+85.0	Chloroform	995	205501	25.582
16.581	97.0+99.0	1,1,1-Trichloroethane	997	249538	25.322
16.652	111.0	Dibromofluoromethane (Surr1)	985	40319	25.800
16.874	117.0+119.0	Carbon Tetrachloride	990	203783	25.437
16.176	42.0+72.0	Tetrahydrofuran	666	7809	24.807
16.950	75.0+39.0	1,1-Dichloropropene	998	153849	24.964
17.383	78.0	Benzene	992	159274	24.700
17.425	65.0	1,2-Dichloroethane-d4 (Surr2)	976	55138	25.970
17.589	62.0+64.0	1,2-Dichloroethane	981	116558	27.988
17.540	73.0+55.0+87.0	tert-Amyl-methyl-ether	996	181064	26.205
18.745	130.0+132.0+95.0	Trichloroethene	996	209978	25.441
19.407	41.0	Methyl methacrylate	998	35650	29.695
19.283	63.0+65.0	1,2-Dichloropropane	998	56857	26.655
19.551	93.0+174.0	Dibromomethane	992	69684	26.295
20.281	88.0	1,4-Dioxane	468		N/A
19.824	83.0+85.0	Bromodichloromethane	998	151665	25.441
20.404	63.0+43.0	2-Chloroethyl vinyl ether	692	6912	25.268
20.750	75.0+77.0+39.0	c-1,3-Dichloropropene	955	165273	26.313
21.017	43.0+58.0	4-Methyl-2-pentanone	989	47407	28.109
21.233	98.0	Toluene-d8 (Surr3)	996	215731	24.982
21.385	92.0+91.0	Toluene	998	508598	24.974
22.029	69.0	Ethyl methacrylate	989	29880	25.078
23.048	43.0+58.0+100.0	2-Hexanone	993	31215	26.193
22.057	75.0+77.0	t-1,3-Dichloropropene	983	76390	25.701
22.518	97.0+99.0	1,1,2-Trichloroethane	998	82557	26.717
22.685	164.0+166.0	Tetrachloroethene	997	23278	25.405
22.979	76.0+41.0	1,3-Dichloropropane	997	119751	26.460
17.440	41.0	Isobutyl alcohol	247		N/A
23.546	129.0+127.0	Dibromochloromethane	997	102460	26.222
23.943	107.0+109.0	1,2-Dibromoethane	998	105633	26.835
25.749	91.0	1-Chlorohexane	986		N/A
25.313	112.0+114.0	Chlorobenzene	991	327214	25.085
25.481	106.0+91.0	Ethylbenzene	996	606645	25.211
25.551	131.0+117.0	1,1,1,2-Tetrachloroethane	996	127843	26.601
25.834	106.0+91.0	p,m-Xylenes	998	1.154E6	50.198
27.029	106.0+91.0	o-Xylene	997	588039	25.274
27.105	104.0+78.0	Styrene	995	368825	26.382
27.767	171.0+173.0+175.0	Bromoform	989	59031	25.619

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.014	105.0+120.0	Isopropylbenzene	992	623337	25.051
28.440	75.0	cis-1,4-Dichloro-2-butene	996	9288	23.509
28.637	95.0	p-Bromofluorobenzene (Surr4)	998	113478	25.231
29.072	83.0+85.0	1,1,2,2-Tetrachloroethane	996	90432	25.562
29.057	77.0+158.0	Bromobenzene	994	286893	26.595
29.164	91.0+120.0	n-Propylbenzene	996	724472	24.973
29.237	75.0	trans-1,4-Dichloro-2-butene	990	47736	26.176
29.235	75.0+110.0	1,2,3-Trichloropropane	981	62663	25.876
29.526	91.0+126.0	2-Chlorotoluene	997	461130	24.992
29.644	105.0+120.0	1,3,5-Trimethylbenzene	997	661825	24.313
29.527	91.0+126.0	4-Chlorotoluene	995	454089	25.433
30.492	119.0+91.0	tert-Butylbenzene	866	848830	25.382
30.666	105.0+120.0	1,2,4-Trimethylbenzene	997	617999	23.705
31.431	117.0	Pentachloroethane	420	88466	25.003
31.072	105.0+134.0	sec-Butylbenzene	992	677372	25.060
30.488	119.0	4-Isopropyltoluene	878	492393	24.918
31.530	146.0+148.0	1,3-Dichlorobenzene	996	340872	24.433
31.528	146.0+148.0	1,4-Dichlorobenzene	996	344255	24.561
32.112	91.0	Benzyl Chloride	693		N/A
32.484	91.0+134.0	n-Butylbenzene	996	467775	22.256
32.730	146.0+148.0	1,2-Dichlorobenzene	996	324560	24.562
34.656	75.0+157.0	1,2-Dibromo-3-chloropropane	976	36199	25.326
37.565	180.0+182.0	1,2,4-Trichlorobenzene	989	198290	22.093
36.685	225.0+226.0	Hexachlorobutadiene	977	132506	22.241
37.029	128.0	Naphthalene	997	164753	24.739
37.570	180.0+182.0	1,2,3-Trichlorobenzene	997	192944	22.160

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

EPA Method 8260A

Lab Name: Associated Labs Contract:

Lab Code: # 4 Case No.: SAS No: SDG No:

Lab File ID (CONTROL): c:\varianws\data\4oct12\4oct121383.sms Lab Sample ID: 25ppb 524.2 ccv 1

Instrument ID: Date Analyzed: 10/19/2012 Time Analyzed: 03:28

GC Column: ID: (mm) Heated Purge: (Y/N) No

	AREA# IS1	RT #	AREA# IS2	RT #	AREA# IS3	RT #	AREA#	RT #	AREA#	RT #	AREA#	RT #
12 HOUR STD	189709	18.01	161370	25.23	90615	31.71						
UPPER LIMIT	379418	18.51	322740	25.73	181230	32.21						
LOWER LIMIT	94855	17.51	80685	24.73	45308	31.21						
EPA SAMPLE NO												
4oct121362	179830	18.00	147011	25.22	76556	31.71						
4oct121364	180474	18.00	151407	25.21	85930	31.71						
4oct121366	188129	18.00	156992	25.22	86327	31.70						
4oct121368	186528	18.00	162071	25.22	89391	31.70						
4oct121370	193614	18.00	163622	25.22	93444	31.71						
4oct121372	188141	18.01	159138	25.23	93087	31.70						
4oct121375	203095	18.01	175582	25.22	97964	31.70						
4oct121377	190141	18.00	164258	25.22	94309	31.70						

	AREA#	RT	#	AREA#	RT	#	AREA#	RT	#	AREA#	RT	#	AREA#	RT	#	AREA#	RT	#
	IS1			IS2			IS3											

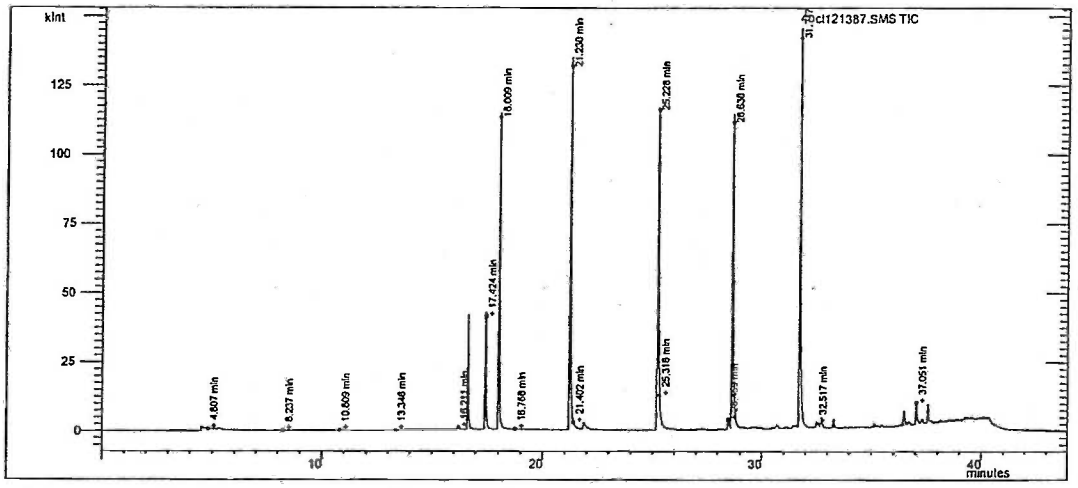
IS1 = Fluorobenzene (IS1)
IS2 = Chlorobenzene-d5(IS2)
IS3 = 1,4-Dichlorobenzene-d4(IS3)

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT =+0.50 minutes of internal standard RT
RT LOWER LIMIT =-0.50 minutes of internal standard RT
Column used to flag internal standard area values with an asterisk.
* Values outside QC limits.
D Indicates the peak is not "Identified".

524 Volatile Organics

Associated Labs
GCMS # 4

Data File Name:	C:\VarianWS\data\4Oct12\4oct121387.SMS	**Calc Method:**	C:\VarianWS\methods\ms4_524_101812_35C.mth
Sample Name:	method blk 1	**Acquisition Date:**	10/19/2012 6:48:20 AM
Inj. Notes:	w#12090702	**Operator Name:**	NZ

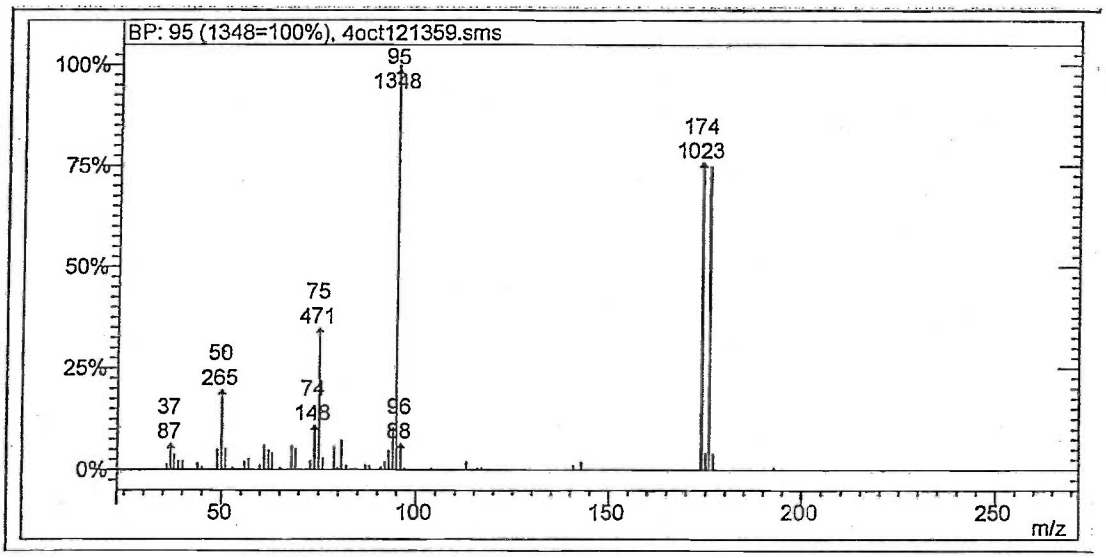


RT	Quan Ions	Compound Name	R.Match	Area	Amount
18.009	96.0+70.0	Fluorobenzene (IS1)	920	188573	25.000
25.228	117.0	Chlorobenzene-d5(IS2)	996	158103	25.000
31.717	152.0	1,4-Dichlorobenzene-d4(IS3)	966	86168	25.000
4.807	85.0	Dichlorodifluoromethane	740		N/A
5.446	50.0+52.0+49.0	Chloromethane	519		N/A
5.812	62.0+64.0	Vinyl Chloride	790		N/A
7.014	94.0+45.0	Bromomethane	674		N/A
7.411	45.0+49.0	Chloroethane	420		N/A
8.237	101.0+103.0	Trichlorofluoromethane	719		N/A
9.497	59.0	Ethyl ether	736		N/A
10.209	101.0+151.0	Trichlorotrifluoroethane (Freon 113)	525		N/A
11.202	56.0	Acrolein	529		N/A
10.287	96.0+61.0+98.0	1,1-Dichloroethene	571		N/A
10.845	142.0	Iodomethane	878		N/A
10.809	43.0+58.0	Acetone	836	346	1.075
11.515	45.0	Isopropyl alcohol (2-Propanol)	657		N/A
10.957	76.0	Carbon disulfide	548		N/A
13.346	41.0	Acetonitrile	667		N/A
11.623	41.0+39.0	Allyl chloride	702		N/A
12.124	84.0+49.0+86.0	Methylene Chloride	892	421	0.068
12.615	59.0	tert-Butanol	613		N/A
12.750	73.0	Methyl-tert-butyl-ether (MTBE)	611		N/A
12.806	61.0+96.0	t-1,2-Dichloroethene	646	110	0.017

RT	Quan Ions	Compound Name	R.Match	Area	Amount
13.070	53.0	Acrylonitrile	454		N/A
13.360	41.0	n-Hexane	523		N/A
14.068	63.0	1,1-Dichloroethane	636		N/A
14.298	43.0	Vinyl acetate	481		N/A
14.055	45.0	Isopropyl ether	654		N/A
14.201	53.0	Chloroprene	536		N/A
14.968	59.0	Ethyl-tert-butyl-ether	423		N/A
15.440	77.0+41.0	2,2-Dichloropropane	693		N/A
15.554	61.0+96.0	c-1,2-Dichloroethene	703		N/A
15.719	43.0+72.0	2-Butanone (MEK)	500		N/A
15.948	54.0	Propionitrile	422		N/A
16.126	130.0+49.0	Bromochloromethane	774	54	0.015
17.528	39.0	Methacrylonitrile	378		N/A
16.285	83.0+85.0	Chloroform	698	106	0.013
16.584	97.0+99.0	1,1,1-Trichloroethane	510		N/A
16.651	111.0	Dibromofluoromethane (Surr1)	986	41299	26.586
16.861	117.0+119.0	Carbon Tetrachloride	613		N/A
16.211	42.0+72.0	Tetrahydrofuran	728	662	2.115
16.949	75.0+39.0	1,1-Dichloropropene	682		N/A
17.417	78.0	Benzene	426	165	0.026
17.424	65.0	1,2-Dichloroethane-d4 (Surr2)	987	64074	30.360
17.467	62.0+64.0	1,2-Dichloroethane	334	29	0.007
17.537	73.0+55.0+87.0	tert-Amyl-methyl-ether	539		N/A
18.768	130.0+132.0+95.0	Trichloroethene	793	168	0.021
19.397	41.0	Methyl methacrylate	652		N/A
19.273	63.0+65.0	1,2-Dichloropropane	761		N/A
19.543	93.0+174.0	Dibromomethane	811		N/A
20.281	88.0	1,4-Dioxane	470		N/A
19.821	83.0+85.0	Bromodichloromethane	603		N/A
20.393	63.0+43.0	2-Chloroethyl vinyl ether	771		N/A
20.738	75.0+77.0+39.0	c-1,3-Dichloropropene	676		N/A
21.126	43.0+58.0	4-Methyl-2-pentanone	512	20	0.012
21.230	98.0	Toluene-d8 (Surr3)	997	208351	24.626
21.402	92.0+91.0	Toluene	341	329	0.016
22.013	69.0	Ethyl methacrylate	516		N/A
23.027	43.0+58.0+100.0	2-Hexanone	537		N/A
22.043	75.0+77.0	t-1,3-Dichloropropene	389		N/A
22.504	97.0+99.0	1,1,2-Trichloroethane	688		N/A
22.669	164.0+166.0	Tetrachloroethene	735		N/A
23.022	76.0+41.0	1,3-Dichloropropane	670	191	0.043
17.440	41.0	Isobutyl alcohol	518		N/A
23.570	129.0+127.0	Dibromochloromethane	717	14	0.004
24.009	107.0+109.0	1,2-Dibromoethane	808	34	0.009
25.749	91.0	1-Chlorohexane	721		N/A
25.318	112.0+114.0	Chlorobenzene	306	606	0.047
25.481	106.0+91.0	Ethylbenzene	769		N/A
25.549	131.0+117.0	1,1,1,2-Tetrachloroethane	530		N/A
25.823	106.0+91.0	p,m-Xylenes	849		N/A
27.024	106.0+91.0	o-Xylene	872		N/A
27.259	104.0+78.0	Styrene	838	443	0.033
27.810	171.0+173.0+175.0	Bromoform	731	22	0.010

RT	Quan Ions	Compound Name	R.Match	Area	Amount
28.042	105.0+120.0	Isopropylbenzene	943	309	0.013
28.459	75.0	cis-1,4-Dichloro-2-butene	635	47	0.126
28.636	95.0	p-Bromofluorobenzene (Surr4)	998	107908	25.231
29.090	83.0+85.0	1,1,2,2-Tetrachloroethane	808		N/A
29.044	77.0+158.0	Bromobenzene	940		N/A
29.148	91.0+120.0	n-Propylbenzene	920		N/A
29.229	75.0	trans-1,4-Dichloro-2-butene	633		N/A
29.231	75.0+110.0	1,2,3-Trichloropropane	653		N/A
29.517	91.0+126.0	2-Chlorotoluene	889		N/A
29.676	105.0+120.0	1,3,5-Trimethylbenzene	888	2433	0.094
29.521	91.0+126.0	4-Chlorotoluene	882		N/A
30.485	119.0+91.0	tert-Butylbenzene	776		N/A
30.695	105.0+120.0	1,2,4-Trimethylbenzene	992	3172	0.128
31.431	117.0	Pentachloroethane	568		N/A
31.088	105.0+134.0	sec-Butylbenzene	931	1796	0.070
30.512	119.0	4-Isopropyltoluene	766	727	0.039
31.556	146.0+148.0	1,3-Dichlorobenzene	953	1319	0.099
31.557	146.0+148.0	1,4-Dichlorobenzene	941	1376	0.103
32.112	91.0	Benzyl Chloride	488		N/A
32.517	91.0+134.0	n-Butylbenzene	949	3821	0.191
32.750	146.0+148.0	1,2-Dichlorobenzene	927	1451	0.116
34.645	75.0+157.0	1,2-Dibromo-3-chloropropane	843		N/A
37.580	180.0+182.0	1,2,4-Trichlorobenzene	993	8974	1.051
36.683	225.0+226.0	Hexachlorobutadiene	937		N/A
37.051	128.0	Naphthalene	996	11273	1.780
37.580	180.0+182.0	1,2,3-Trichlorobenzene	994	8337	1.007

BFB 8260B Report



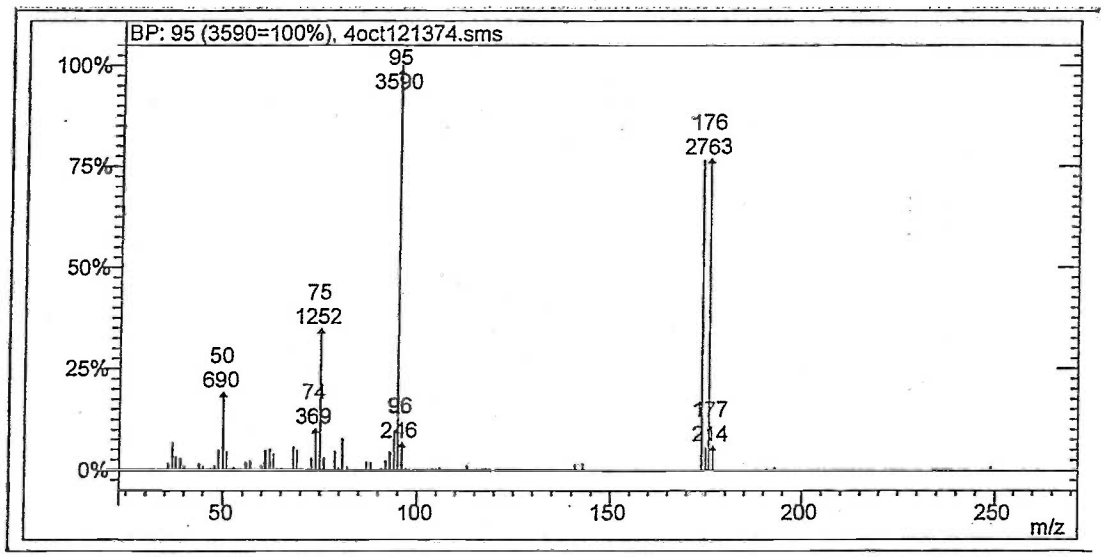
Lab File ID: 4oct121359.sms

Injection Date: 10/18/2012

Injection Time: 7:47

m/z	Acceptance Criterion	Value	Pass/Fail
50	15-40% of m/z 95	19.66	PASS
75	30-60% of m/z 95	34.94	PASS
95	base peak	100.00	PASS
96	5-9% of m/z 95	6.53	PASS
173	<2% of m/z 174	0.20	PASS
174	>50% of m/z 95	75.89	PASS
175	5-9% of m/z 174	5.47	PASS
176	>95% but <101% of m/z 174	98.63	PASS
177	5-9% of m/z 176	5.25	PASS

BFB 8260B Report



Lab File ID: 4oct121374.sms

Injection Date: 10/18/2012

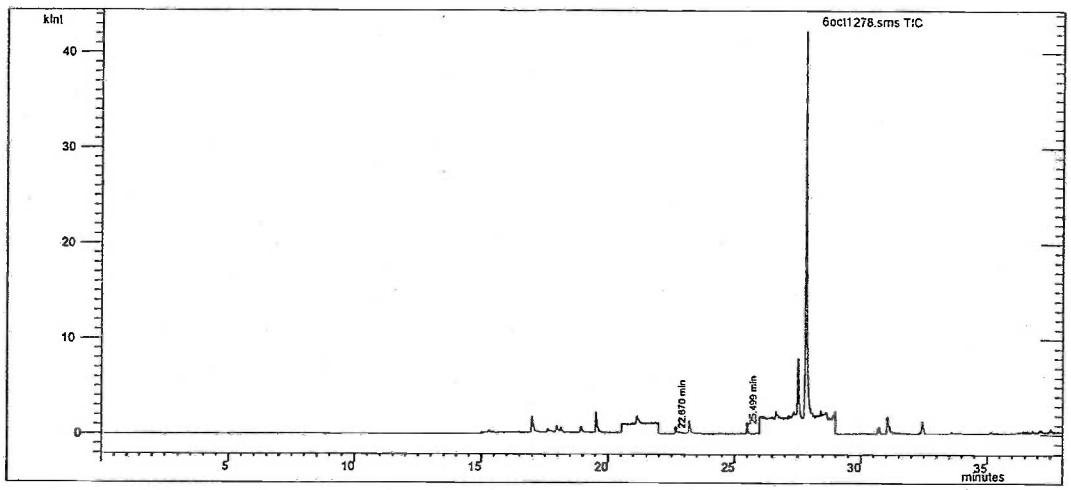
Injection Time: 20:05

m/z	Acceptance Criterion	Value	Pass/Fail
50	15-40% of m/z 95	19.22	PASS
75	30-60% of m/z 95	34.87	PASS
95	base peak	100.00	PASS
96	5-9% of m/z 95	6.85	PASS
173	<2% of m/z 174	0.15	PASS
174	>50% of m/z 95	76.55	PASS
175	5-9% of m/z 174	7.17	PASS
176	>95% but <101% of m/z 174	100.55	PASS
177	5-9% of m/z 176	7.75	PASS

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1278.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	311995-002-5 5ml	**Acquisition Date:**	10/23/2012 2:42:03 PM
Inj. Notes:	EB pH<2	**Operator Name:**	RyanP

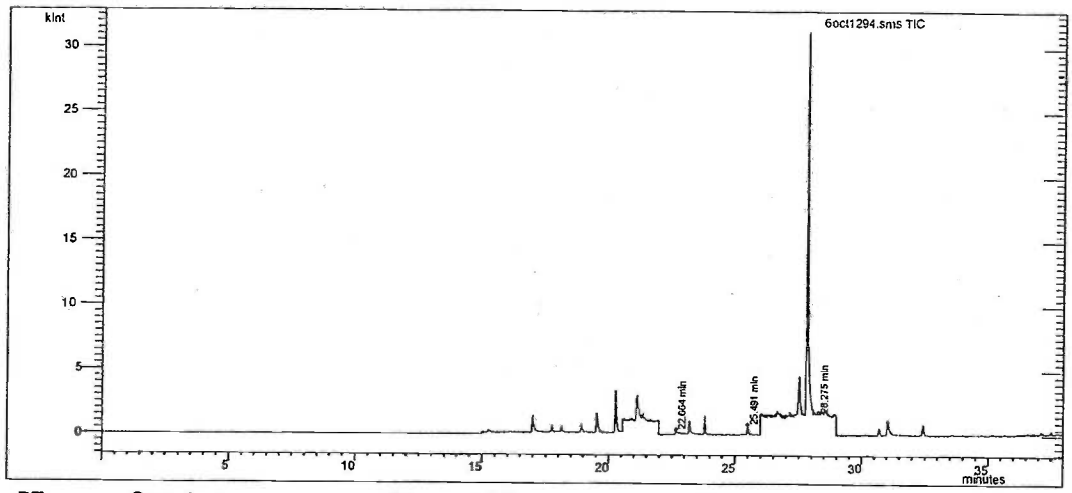


RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.499	117.0+82.0	Chlorobenzene-d5(IS2)	998	2535	1.000
22.670	98.0+70.0	Toluene-d8 (Surr 3)	906	1111	1.150

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1294.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	311995-004-2 5ml	**Acquisition Date:**	10/24/2012 6:13:19 PM
Inj. Notes:	pH<2	**Operator Name:**	RyanP



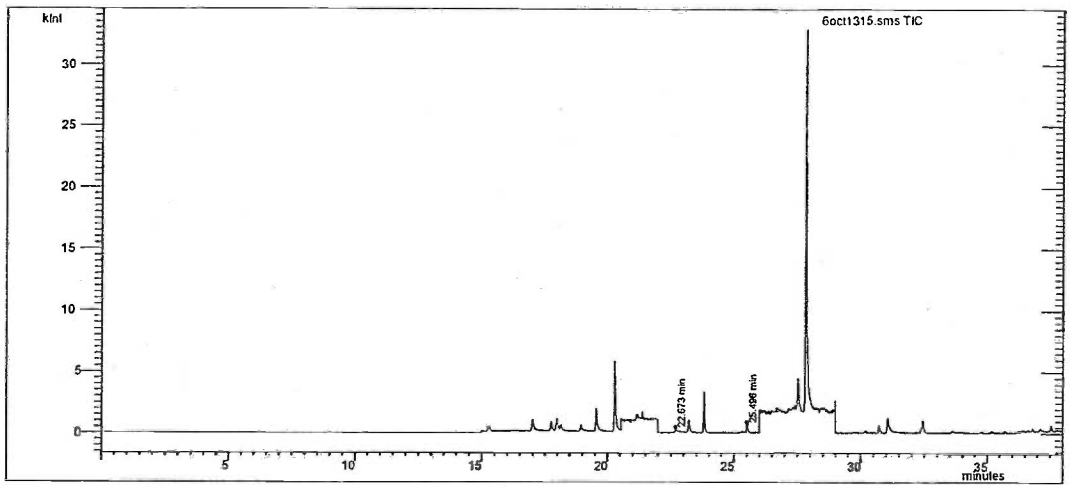
RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.491	117.0+82.0	Chlorobenzene-d5(IS2)	999	2134	1.000
28.275	75.0	1,2,3 - TCP	1000	321	0.003
22.664	98.0+70.0	Toluene-d8 (Surr 3)	895	792	0.974

ALAB : 60370

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1315.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	311995-005-1 5ml	**Acquisition Date:**	10/26/2012 3:02:41 PM
Inj. Notes:	pH<2	**Operator Name:**	RyanP



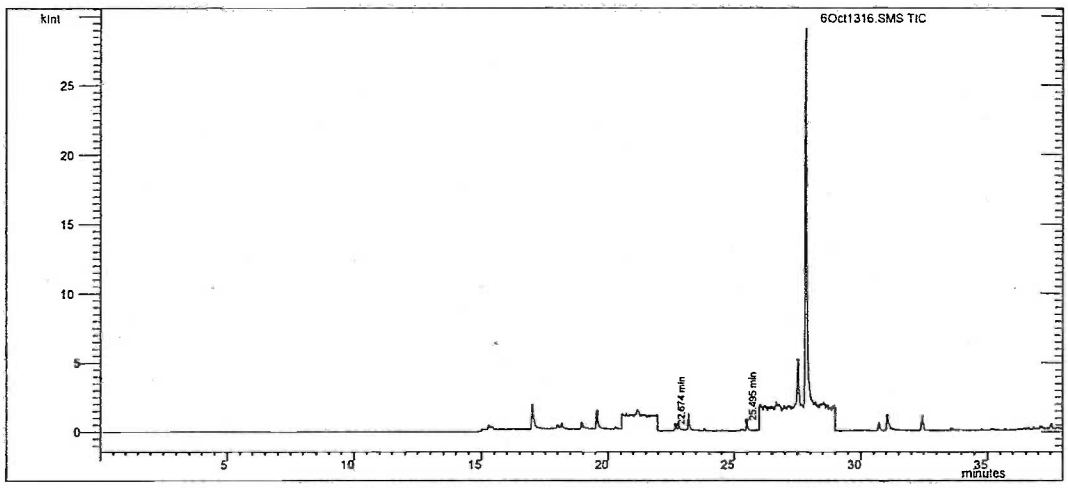
RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.496	117.0+82.0	Chlorobenzene-d5(IS2)	999	2244	1.000
22.673	98.0+70.0	Toluene-d8 (Surr 3)	995	1078	1.260

ALAB : 00371

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6Oct1316.SMS	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	311955-007-4 5ml	**Acquisition Date:**	10/26/2012 4:04:23 PM
Inj. Notes:	pH<2	**Operator Name:**	RyanP



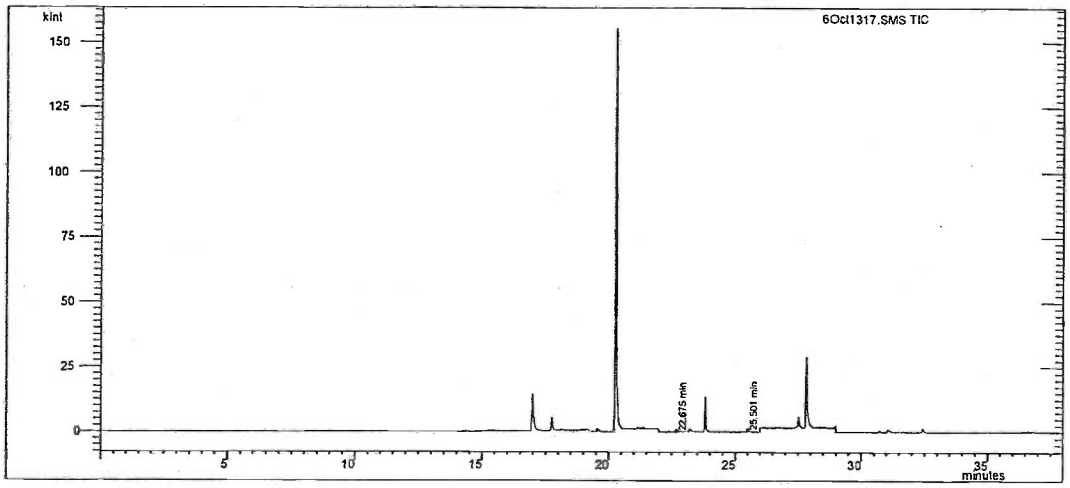
RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.495	117.0+82.0	Chlorobenzene-d5(IS2)	998	2137	1.000
22.674	98.0+70.0	Toluene-d8 (Surr 3)	990	841	1.032

ALAB : 00372

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6Oct1317.SMS	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	311955-010-10 5ml	**Acquisition Date:**	10/26/2012 5:07:32 PM
Inj. Notes:	pH<2	**Operator Name:**	RyanP



RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.501	117.0+82.0	Chlorobenzene-d5(IS2)	999	2073	1.000
22.675	98.0+70.0	Toluene-d8 (Surr 3)	995	776	0.982

ALAB : 00373

Associated Labs QCBatch BenchSheet

QCBatchID: QC1130838

Created Date:	10/24/2012
Created By:	akk
Matrix:	Water

Test:	8260M MS/MS
Method:	EPA 8260M
Instrument:	
AnalysisDate:	10/24/2012
AnalysisEmployee:	akk

Seq#	Sample ID	Customer Sample ID	QC Source	Sur Added	Spk Added	Init Wt/Vol	Final Vol	Extraction Date	Extraction Time	Comments
0	LCS_1									
1	LCSD_1									
2	Method Blank_1									
3	311995-002	Equipment Blank	311995-002							
4	312094-003	C-1-CW06	312094-003							
5	312094-004	B-5-CW02	312094-004							
6	312094-005	M-W-6	312094-005							

InitialCalibSTD:	
CalibCheckSTD:	
InternalSTD:	w#12101901
SurrogateSTD:	w#12101901
LCSSTD:	
MSSTD:	

Solvent Manufacturer and Lot:	
Sand Manufacturer and Lot:	
Na2SO4 Manufacturer and Lot:	
Surrogate Lot:	
Spike Lot:	
Prep By Signature:	

****

Varian Star Workstation - RecalcList Wed Oct 24 13:32:02 2012

RecalcList: C:\Documents and Settings\ragtimerye\Desktop\temp recalc.rcl

Created: Tue Oct 23 09:36:43 2012
Modified: Wed Oct 24 13:24:33 2012

****

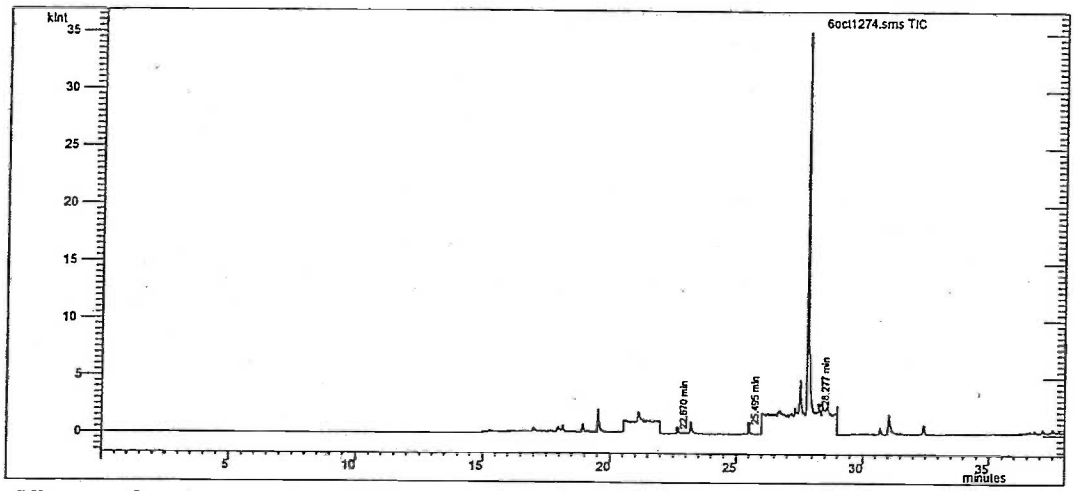
Line	Sample Name	Data File	Recalc Notes
1	0.02ppb tcp ccv	c:\varianws\data\6oct12\6Oct1274.SMS	none
2	0.02ppb tcp lcs	c:\varianws\data\6oct12\6Oct1275.SMS	none
3	0.02ppb tcp lcsd	c:\varianws\data\6oct12\6Oct1276.SMS	none
4	method blank	c:\varianws\data\6oct12\6Oct1277.SMS	none
5	311995-002-5 5ml	c:\varianws\data\6oct12\6Oct1278.SMS	below
	Notes pH<2		
6	312094-003-5 5ml	c:\varianws\data\6oct12\6Oct1279.SMS	below
	Notes pH<2		
7	312094-004-3 5ml	c:\varianws\data\6oct12\6Oct1280.SMS	below
	Notes pH<2		
8	312094-005-7 5ml	c:\varianws\data\6oct12\6Oct1281.SMS	below
	Notes pH<2		
9	~~312094-006-5 5ml~~	c:\varianws\data\6oct12\6Oct1282.SMS	below
	Notes pH<2		
10	312094-005-7 1ml	c:\varianws\data\6oct12\6Oct1283.SMS	below
	Notes pH<2		

AKK 10/24

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1274.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	0.02ppb tcp ccv	**Acquisition Date:**	10/23/2012 10:25:55 AM
Inj. Notes:	w#12100901	**Operator Name:**	RyanP



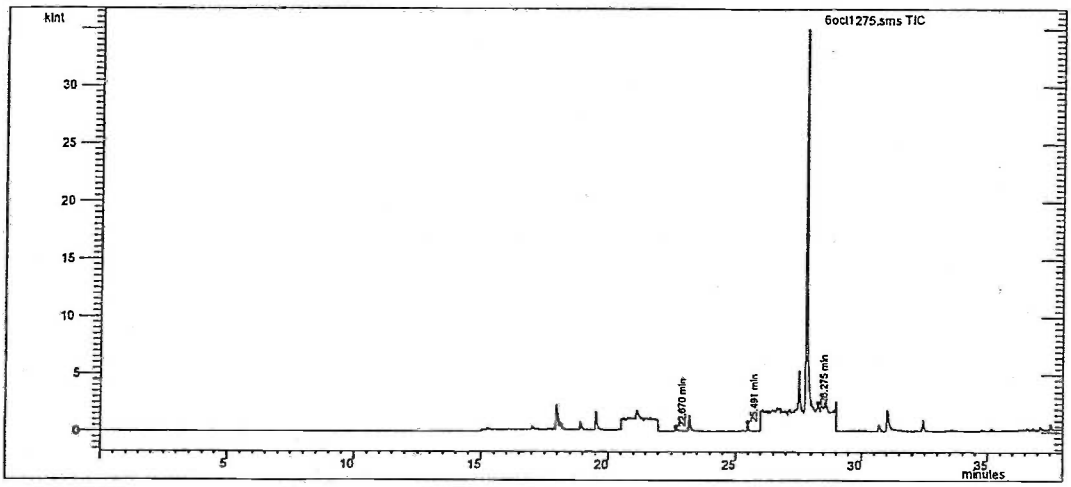
RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.495	117.0+82.0	Chlorobenzene-d5(IS2)	999	2151	1.000
28.277	75.0	1,2,3 - TCP	1000	2269	0.020
22.670	98.0+70.0	Toluene-d8 (Surr 3)	933	902	1.100

ALAB : 09375

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1275.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	0.02ppb tcp lcs	**Acquisition Date:**	10/23/2012 11:23:04 AM
Inj. Notes:	w#12100902	**Operator Name:**	RyanP



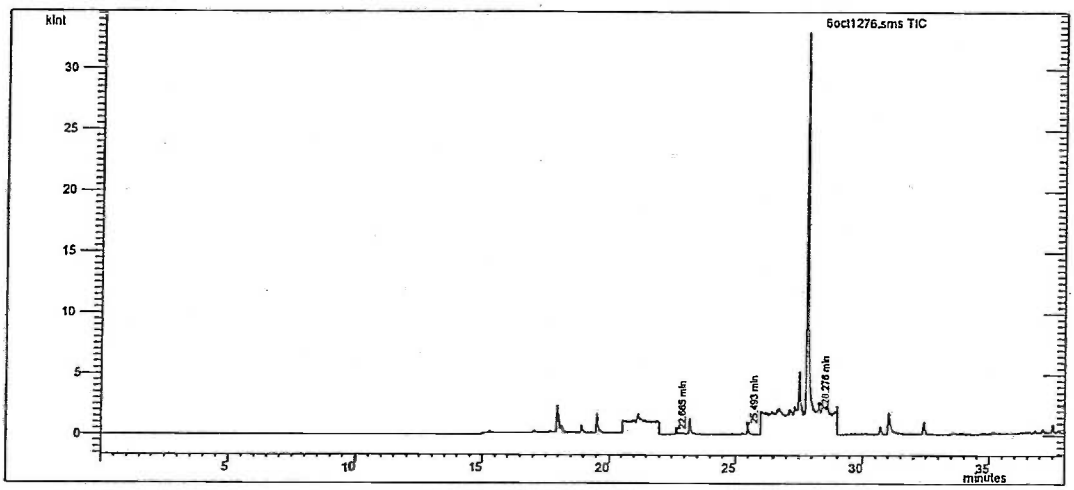
RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.491	117.0+82.0	Chlorobenzene-d5(IS2)	999	2121	1.000
28.275	75.0	1,2,3 - TCP	1000	2482	0.022
22.670	98.0+70.0	Toluene-d8 (Surr 3)	894	837	1.035

ALAB : 99376

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1276.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	0.02ppb tcp lcsd	**Acquisition Date:**	10/23/2012 12:31:06 PM
Inj. Notes:	w#12100902	**Operator Name:**	RyanP



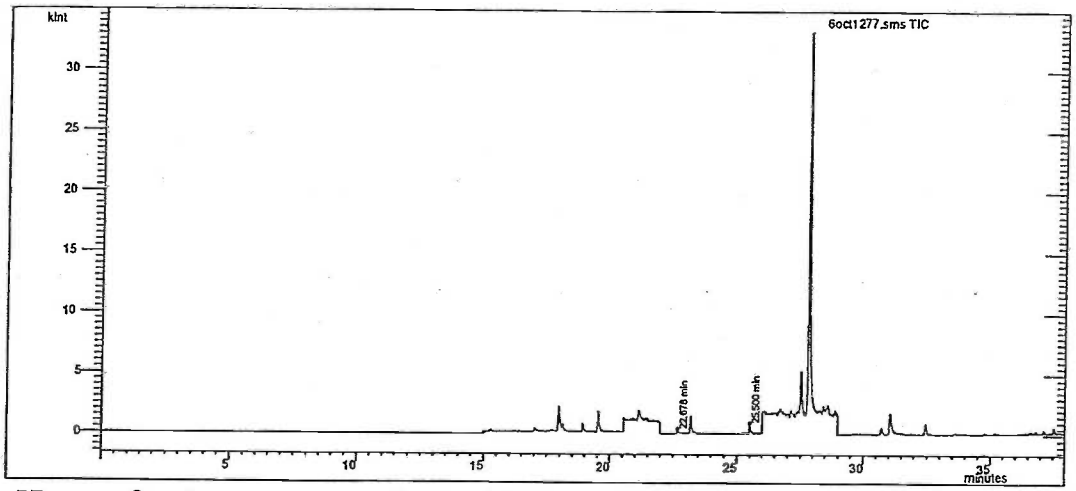
RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.493	117.0+82.0	Chlorobenzene-d5(IS2)	999	2050	1.000
28.276	75.0	1,2,3 - TCP	1000	3028	0.028
22.665	98.0+70.0	Toluene-d8 (Surr 3)	917	881	1.127

ALAB : 00377

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1277.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	method blank	**Acquisition Date:**	10/23/2012 1:28:21 PM
Inj. Notes:		**Operator Name:**	RyanP



RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.500	117.0+82.0	Chlorobenzene-d5(IS2)	999	2181	1.000
22.678	98.0+70.0	Toluene-d8 (Surr 3)	896	940	1.130

Associated Labs QCBatch BenchSheet

QCBatchID: QC1130844

Created Date: 10/25/2012
Created By: akk
Matrix: Water

Test: 8260M MS/MS
Method: EPA 8260M
Instrument: VOA-MS (group)
AnalysisDate: 10/25/2012
AnalysisEmployee: akk

Seq #	Sample ID	Customer Sample ID	QC Source	Sur. Added	Spk. Added	Init. Wt/Vol	Final Vol	Extraction Date	Extraction Time	Comments
0	LCS_1									
1	LCSD_1									
2	Method Blank_1									
3	311995-004	B-6-CW03R	311995-004							
4	312080-008	Equipment Blank	312080-008							
5	312094-006	C-1-CW08	312094-006							

InitialCalibSTD:
CalibCheckSTD:
InternalSTD: w#12101901
SurrogateSTD: w#12101901
LCSSTD:
MSSTD:

Solvent Manufacturer and Lot:
Sand Manufacturer and Lot:
Na2SO4 Manufacturer and Lot:
Surrogate Lot:
Spike Lot:
Prep By Signature:

****

Varian Star Workstation - RecalcList Thu Oct 25 09:18:38 2012

RecalcList: C:\VarianWS\8260LIST.RCL

Created: Thu Sep 10 08:16:26 2009
Modified: Thu Oct 25 09:18:31 2012

****

Line	Sample Name	Data File	Recalc Notes
1	0.02ppb tcp ccv	c:\varianws\data\6oct12\6Oct1286.SMS	none
2	0.02ppb tcp lcs	c:\varianws\data\6oct12\6Oct1287.SMS	none
3	0.02ppb tcp lcsd	c:\varianws\data\6oct12\6Oct1288.SMS	none
4	~~method blank~~	c:\varianws\data\6oct12\6Oct1289.SMS	none
5	~~312080-008-3 5ml~~	c:\varianws\data\6oct12\6Oct1290.SMS	none
6	method blank	c:\varianws\data\6oct12\6Oct1291.SMS	none
7	312080-008-3 5ml Notes pH<2	c:\varianws\data\6oct12\6Oct1292.SMS	below
8	312094-006-5 5ml Notes pH<2	c:\varianws\data\6oct12\6Oct1293.SMS	below
9	311995-004-2 5ml Notes pH<2	c:\varianws\data\6oct12\6Oct1294.SMS	below
10	~~311995-005-1 5ml~~ Notes pH<2	c:\varianws\data\6oct12\6Oct1295.SMS	below
11	~~311995-007-4 5ml~~ Notes pH<2	c:\varianws\data\6oct12\6Oct1296.SMS	below
12	~~311995-005-1 5ml~~ Notes pH<2	c:\varianws\data\6oct12\6Oct1297.SMS	below
13	~~311995-010-10 5ml~~ Notes pH<2	c:\varianws\data\6oct12\6Oct1298.SMS	below
14	rinse	c:\varianws\data\6oct12\6Oct1299.SMS	none

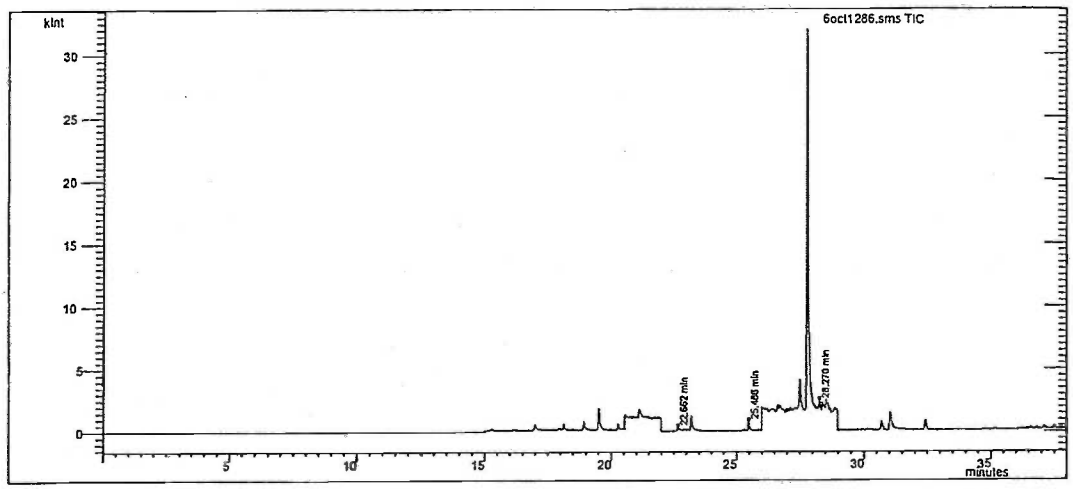
AKK 10/25

ALAB: 00380

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1286.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	0.02ppb tcp ccv	**Acquisition Date:**	10/24/2012 10:21:31 AM
Inj. Notes:	w#12100901	**Operator Name:**	RyanP



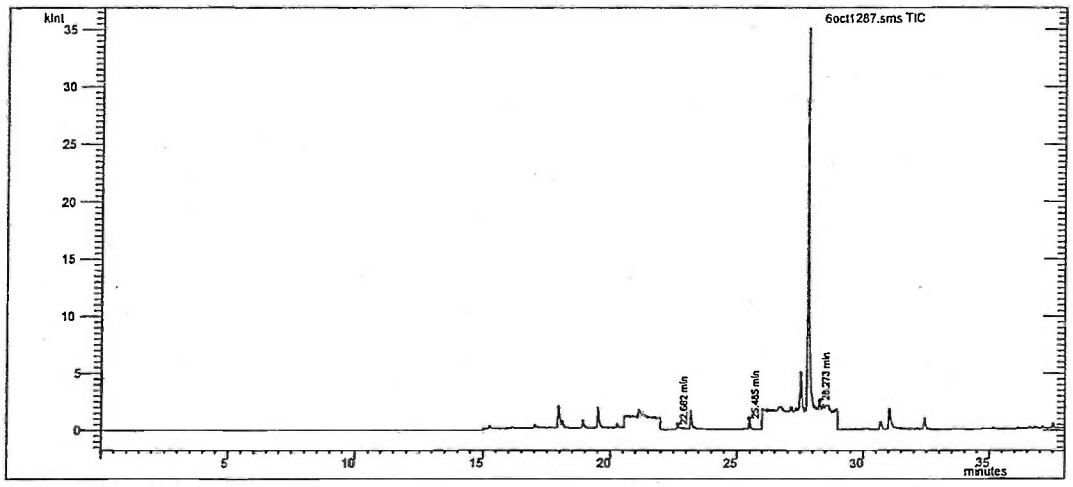
RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.486	117.0+82.0	Chlorobenzene-d5(IS2)	997	2158	1.000
28.270	75.0	1,2,3 - TCP	1000	2207	0.019
22.662	98.0+70.0	Toluene-d8 (Surr 3)	894	828	1.007

ALAB : 00381

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1287.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	0.02ppb tcp lcs	**Acquisition Date:**	10/24/2012 11:18:23 AM
Inj. Notes:	w#12100902	**Operator Name:**	RyanP

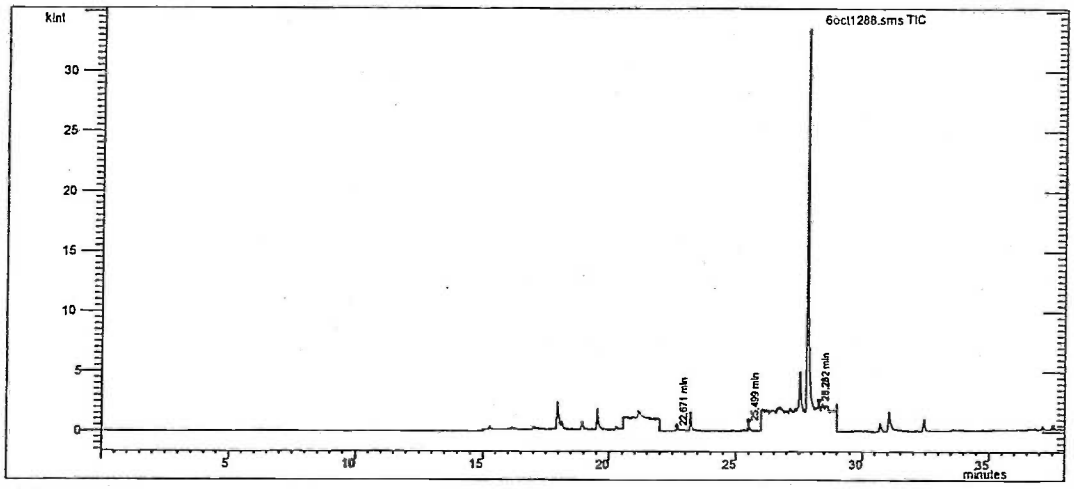


RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.485	117.0+82.0	Chlorobenzene-d5(IS2)	999	2260	1.000
28.273	75.0	1,2,3 - TCP	1000	2708	0.022
22.662	98.0+70.0	Toluene-d8 (Surr 3)	947	873	1.013

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1288.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	0.02ppb tcp lcsd	**Acquisition Date:**	10/24/2012 12:16:04 PM
Inj. Notes:	w#12100902	**Operator Name:**	RyanP

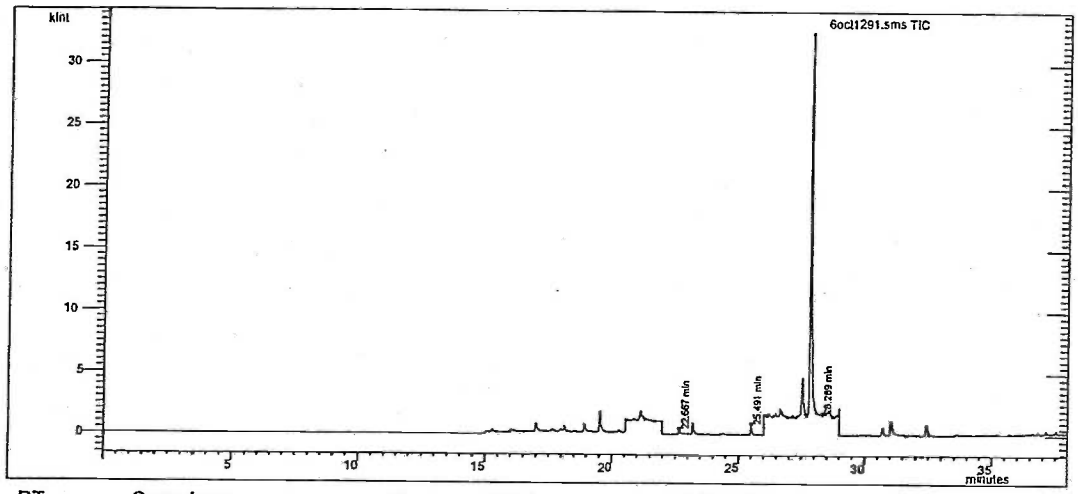


RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.499	117.0+82.0	Chlorobenzene-d5(IS2)	999	2224	1.000
28.282	75.0	1,2,3 - TCP	1000	2225	0.019
22.671	98.0+70.0	Toluene-d8 (Surr 3)	927	790	0.932

8260B Volatile Organics

Associated Labs
GCMS # 6

Data File Name:	c:\varianws\data\6oct12\6oct1291.sms	**Calc Method:**	C:\VarianWS\methods\TCP-Q_102212.mth
Sample Name:	method blank	**Acquisition Date:**	10/24/2012 3:10:04 PM
Inj. Notes:		**Operator Name:**	RyanP



RT	Quan Ions	Compound Name	R.Match	Area	Amount
25.491	117.0+82.0	Chlorobenzene-d5(IS2)	999	2163	1.000
28.289	75.0	1,2,3 - TCP	1000	322	0.003
22.667	98.0+70.0	Toluene-d8 (Surr 3)	950	892	1.082

ALAB : 00384

Associated Labs QCBatch BenchSheet

QCBatchID: QC1130929

Created Date: 10/29/2012
Created By: akk
Matrix: Water

Test: 8260M MS/MS
Method: EPA 8260M
Instrument: VOA-MS (group)
AnalysisDate: 10/29/2012
AnalysisEmployee: akk

Seq #	Sample ID	Customer Sample ID	QC Source	Sur. Added	Spk. Added	Init. Wt/Vol	Final Vol.	Extraction Date	Extraction Time	Comments
0	LCS_1									
1	LCSD_1									
2	Method Blank_1									
3	311995-005	B-6-CW03R Duplicate	311995-005							
4	311995-007	C-1-CW05	311995-007							
5	311995-010	B1CW17	311995-010							
6	312080-005	C-1-CW03	312080-005							
7	312080-006	C-1-CW02	312080-006							

InitialCalibSTD:	
CalibCheckSTD:	
InternalSTD:	w#12101901
SurrogateSTD:	w#12101901
LCSSTD:	
MSSTD:	

Solvent Manufacturer and Lot:	
Sand Manufacturer and Lot:	
Na2SO4 Manufacturer and Lot:	
Surrogate Lot:	
Spike Lot:	
Prep By Signature:	

****

Varian Star Workstation - RecalcList Mon Oct 29 08:36:06 2012

RecalcList: C:\Documents and Settings\ragtimerye\Desktop\temp recalc.rcl

Created: Tue Oct 23 09:36:43 2012
Modified: Mon Oct 29 08:35:50 2012

****

Line	Sample Name	Data File	Recalc Notes
1	0.02ppb tcp ccv	c:\varianws\data\6oct12\6Oct1311.SMS	none
2	0.02ppb tcp lcs	c:\varianws\data\6oct12\6Oct1312.SMS	none
3	0.02ppb tcp lcsd	c:\varianws\data\6oct12\6Oct1313.SMS	none
4	method blank	c:\varianws\data\6oct12\6Oct1314.SMS	none
5	311995-005-1 5ml	c:\varianws\data\6oct12\6Oct1315.SMS	below
	Notes pH<2		
6	311955-007-4 5ml	c:\varianws\data\6oct12\6Oct1316.SMS	below
	Notes pH<2		
7	311955-010-10 5ml	c:\varianws\data\6oct12\6Oct1317.SMS	below
	Notes pH<2		
8	312080-005-4 5ml	c:\varianws\data\6oct12\6Oct1318.SMS	below
	Notes pH<2		
9	312080-006-3 5ml	c:\varianws\data\6oct12\6Oct1319.SMS	below
	Notes pH<2		