LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.636	6	8	10	rBV	306	286	0.01%	0.013%
2	1.673	10	14	16	rBV2	198	333	0.02%	0.015%
3	1.752	16	27	29	rBV	12498	25480	1.15%	1.119%
4	1.807	29	36	59	rVB	1081281	2217019	100.00%	97.392%
5	2.898	214	215	217	rBV	520	318	0.01%	0.014%
6	3.288	278	279	281	rBV	208	184	0.01%	0.008%
7	3.447	302	305	307	rBV2	200	162	0.01%	0.007%
8	3.660	338	340	342	rBV2	249	230	0.01%	0.010%
9	3.733	351	352	356	rBV3	351	389	0.02%	0.017%
10	3.782	359	360	362	rBV	306	201	0.01%	0.009%
11	3.825	365	367	370	rVB3	239	204	0.01%	0.009%
12	3.861	370	373	374	rBV	233	259	0.01%	0.011%
13	3.934	383	385	388	rVB	367	348	0.02%	0.015%
14	3.965	388	390	392	rBV	224	229	0.01%	0.010%
15	4.020	396	399	402	rBV3	516	645	0.03%	0.028%
16	4.245	434	436	438	rBV2	274	287	0.01%	0.013%
17	4.386	457	459	462	rVB	218	215	0.01%	0.009%
18	4.453	467	470	472	rBV2	240	287	0.01%	0.013%
19	4.794	522	526	530	rVB2	299	521	0.02%	0.023%
20	4.904	543	544	546	rBV2	175	169	0.01%	0.007%
21	4.971	551	555	557	rVB	286	391	0.02%	0.017%
22	5.062	568	570	571	rBV	201	178	0.01%	0.008%
23	5.294	607	608	612	rVB2	269	213	0.01%	0.009%
24	5.361	615	619	621	rBV3	167	237	0.01%	0.010%
25	5.678	669	671	674	rBV2	208	248	0.01%	0.011%
26	5.836	692	697	699	rBV3	195	298	0.01%	0.013%
27	5.983	718	721	722	rVB	350	276	0.01%	0.012%
28	6.062	732	734	735	rBV	209	175	0.01%	0.008%
29	6.135	743	746	749	rBV2	181	240	0.01%	0.011%
30	6.355	778	782	783	rBV2	297	201	0.01%	0.009%
31	6.403	787	790	792	rBV2	140	206	0.01%	0.009%
32	6.599	819	822	823	rBV	374	233	0.01%	0.010%
33	6.855	861	864	866	rBV2	238	213	0.01%	0.009%
34	6.983	883	885	889	rBV2	211	307	0.01%	0.013%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Title : VOC Analysis

35	7.098	901	904	906	rBV2	297	292	0.01%	0.013%
36	7.141	909	911	914	rBV	194	179	0.01%	0.008%
37	7.251	928	929	932	rBV2	285	229	0.01%	0.010%
38	7.415	953	956	961	rBV2	166	179	0.01%	0.008%
39	7.568	979	981	982	rBV	321	175	0.01%	0.008%
40	7.598	985	986	988	rBV	169	163	0.01%	0.007%
41	7.653	991	995	1000	rVB3	999	1560	0.07%	0.069%
42	7.806	1019	1020	1022	rBV2	187	174	0.01%	0.008%
43	8.007	1048	1053	1054	rBV2	254	353	0.02%	0.016%
44	8.281	1092	1098	1099	rBV3	956	1684	0.08%	0.074%
45	8.415	1117	1120	1121	rBV2	306	238	0.01%	0.010%
46	8.458	1125	1127	1129	rBV2	209	170	0.01%	0.007%
47	8.482	1129	1131	1135	rVB2	243	269	0.01%	0.012%
48	8.744	1172	1174	1178	rVB2	234	248	0.01%	0.011%
49	8.848	1189	1191	1197	rVB3	773	1115	0.05%	0.049%
50	9.080	1227	1229	1232	rVB	510	320	0.01%	0.014%
51	9.159	1238	1242	1246	rVB	247	323	0.01%	0.014%
52	9.202	1246	1249	1251	rBV	226	230	0.01%	0.010%
53	9.275	1257	1261	1267	rVB6	1085	1814	0.08%	0.080%
54	9.854	1352	1356	1358	rVB	237	305	0.01%	0.013%
55	9.878	1358	1360	1361	rBV2	235	219	0.01%	0.010%
56	9.927	1365	1368	1369	rVB2	193	163	0.01%	0.007%
57	10.000	1378	1380	1383	rVB	279	181	0.01%	0.008%
58	10.037	1383	1386	1391	rBV3	354	531	0.02%	0.023%
59	10.250	1419	1421	1422	rBV	239	167	0.01%	0.007%
60	10.330	1429	1434	1438	rBV3	1134	1602	0.07%	0.070%
61	10.366	1438	1440	1441	rVB	301	175	0.01%	0.008%
62	10.391	1441	1444	1447	rBV2	245	403	0.02%	0.018%
63	10.439	1449	1452	1454	rBV2	277	261	0.01%	0.011%
64	10.494	1458	1461	1462	rBV	164	164	0.01%	0.007%
65	10.811	1511	1513	1516	rVB2	247	200	0.01%	0.009%
66	10.854	1518	1520	1521	rVV	274	162	0.01%	0.007%
67	10.927	1530	1532	1535	rVV2	185	233	0.01%	0.010%
68	10.976	1539	1540	1543	rVV	176	167	0.01%	0.007%
69	11.012	1544	1546	1548	rVB	224	164	0.01%	0.007%
70	11.086	1555	1558	1561	rVB2	271	352	0.02%	0.015%
71	11.140	1565	1567	1570	rBV	259	196	0.01%	0.009%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Title : VOC Analysis

72	11.317	1595	1596	1600	rBV	343	288	0.01%	0.013%
73	11.470	1619	1621	1623	rBV2	228	183	0.01%	0.008%
74	11.640	1644	1649	1654	rVB4	1167	2136	0.10%	0.094%
75	11.738	1664	1665	1670	rBV2	198	170	0.01%	0.007%
76	12.085	1720	1722	1726	rBV2	144	161	0.01%	0.007%
77	12.146	1731	1732	1733	rBV	268	168	0.01%	0.007%
78	12.415	1772	1776	1780	rBV2	154	285	0.01%	0.013%
79	12.451	1780	1782	1783	rVB	236	164	0.01%	0.007%
80	13.006	1870	1873	1875	rBV2	256	327	0.01%	0.014%
81	13.024	1875	1876	1882	rVV2	303	418	0.02%	0.018%
82	13.128	1891	1893	1895	rVB2	289	232	0.01%	0.010%
83	13.158	1895	1898	1899	rBV	242	268	0.01%	0.012%
84	13.183	1901	1902	1903	rVV	315	166	0.01%	0.007%
85	13.366	1929	1932	1933	rVB	227	191	0.01%	0.008%
86	13.384	1933	1935	1937	rBV	501	319	0.01%	0.014%
87	13.555	1962	1963	1966	rVB	257	222	0.01%	0.010%
88	13.719	1988	1990	1993	rVV2	187	190	0.01%	0.008%
89	13.762	1995	1997	1998	rVB	268	162	0.01%	0.007%
90	13.872	2011	2015	2017	rBV2	431	633	0.03%	0.028%
91	14.146	2059	2060	2065	rVB2	310	273	0.01%	0.012%
92	14.451	2108	2110	2111	rBV2	358	297	0.01%	0.013%
93	14.768	2160	2162	2165	rBV2	297	292	0.01%	0.013%
94	14.920	2186	2187	2189	rBV	472	282	0.01%	0.012%
95	15.091	2212	2215	2216	rBV2	241	215	0.01%	0.009%
96	15.652	2306	2307	2309	rBV	322	231	0.01%	0.010%
97	15.707	2313	2316	2318	rBV2	343	357	0.02%	0.016%
98	15.902	2344	2348	2349	rBV3	426	525	0.02%	0.023%
99	16.213	2398	2399	2401	rVB	585	341	0.02%	0.015%
100	16.536	2450	2452	2454	rVB2	484	359	0.02%	0.016%

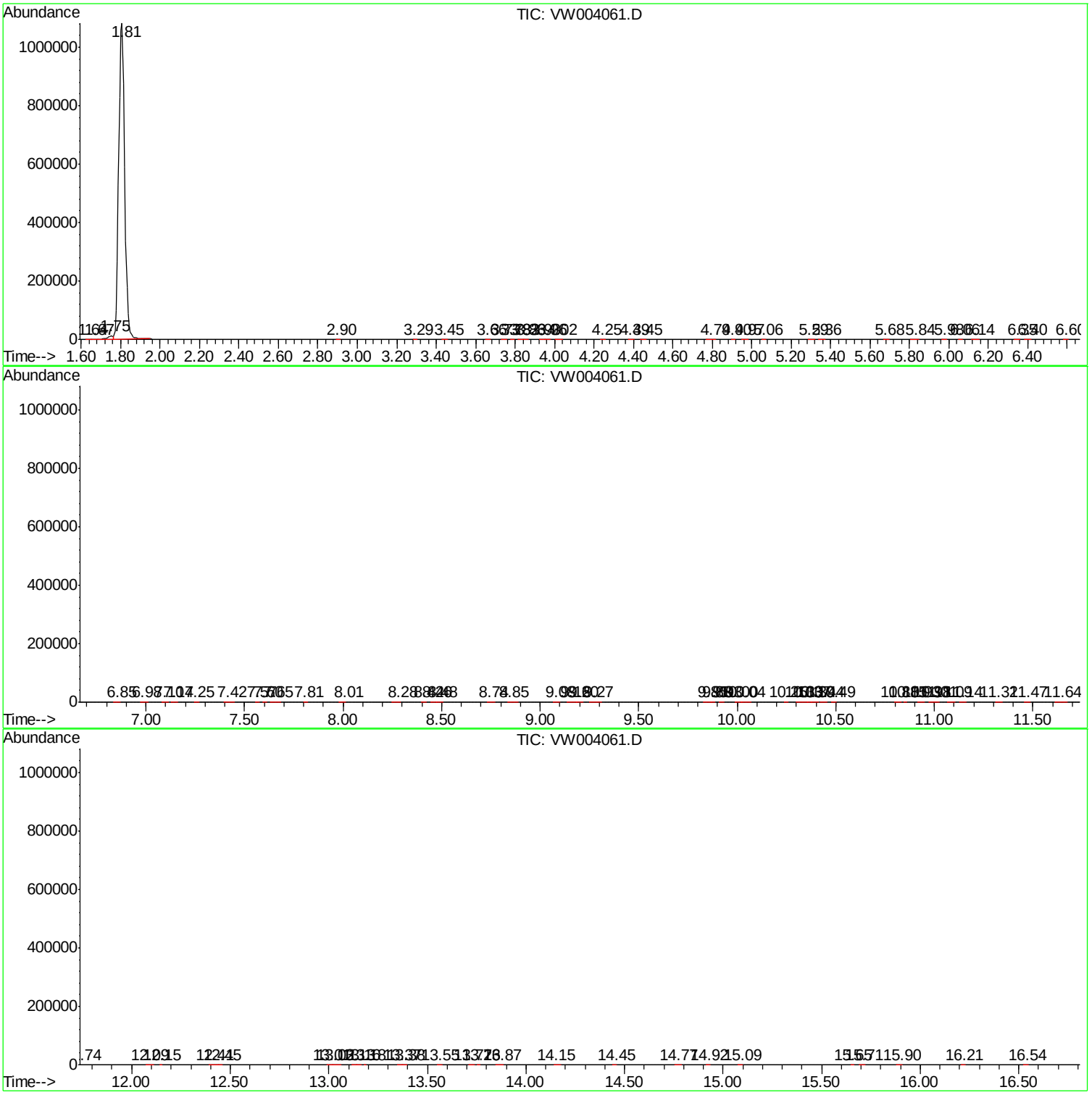
Sum of corrected areas: 2276397

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 Guanidine, methyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.64	6.41 ug/L	286	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Guanidine, methyl-	73	C2H7N3	000471-29-4	1
2	Isobutylamine	73	C4H11N	000078-81-9	1
3	1-Butanamine	73	C4H11N	000109-73-9	1
4	N-Ethylformamide	73	C3H7NO	000627-45-2	1
5	Isobutylamine	73	C4H11N	000078-81-9	1

****

Peak Number 2 Cyclohexane-1,3-dione, 2-al... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.67	7.47 ug/L	333	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
2	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 3 2-Chloroethanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	571.30 ug/L	25480	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Chloroethanol	80	C2H5ClO	000107-07-3	1
2	1-Hexanamine	101	C6H15N	000111-26-2	1
3	1-Nonanamine	143	C9H21N	000112-20-9	1
4	1-Hexanol, 6-amino-	117	C6H15NO	004048-33-3	1
5	1-Heptanamine	115	C7H17N	000111-68-2	1

****

Peak Number 4 Carbon dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

1.81 49708.90 ug/L 2217020 1,4-Difluorobenzene 8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	4
2	Carbon dioxide	44	CO2	000124-38-9	3
3	Nitrous oxide	44	N2O	010024-97-2	3
4	Nitrous oxide	44	N2O	010024-97-2	3
5	Ethyne, fluoro-	44	C2HF	002713-09-9	2

****

Peak Number 5 Propane Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.29	4.13 ug/L	184	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	2
2	Carbon dioxide	44	CO2	000124-38-9	2
3	Carbon dioxide	44	CO2	000124-38-9	2
4	Ethyne, fluoro-	44	C2HF	002713-09-9	2
5	Ethyne, fluoro-	44	C2HF	002713-09-9	2

****

Peak Number 6 Cyclohexane-1,3-dione, 2-al... Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.45	3.63 ug/L	162	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
2	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	Hydrogen chloride	36	ClH	007647-01-0	2
5	Hydrogen chloride	36	ClH	007647-01-0	2

****

Peak Number 7 6-Nitro-8-methoxy-2H-chromene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.66	5.16 ug/L	230	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

1	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
2	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
3	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
4	Allene	40	C3H4	000463-49-0	2
5	Pyridine, 2-amino-3,5-dinitro-	184	C5H4N4O4	003073-30-1	2

****

Peak Number 8 Allene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	8.72 ug/L	389	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allene	40	C3H4	000463-49-0	5
2	Propyne	40	C3H4	000074-99-7	5
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
5	cis-Aconitic anhydride	156	C6H4O5	006318-55-4	2

****

Peak Number 9 1-Propyne, 3-bromo- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.78	4.51 ug/L	201	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3-bromo-	118	C3H3Br	000106-96-7	2
2	2-Furancarboxaldehyde, 5-nitro-	141	C5H3NO4	000698-63-5	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
5	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2

****

Peak Number 10 1H-Imidazole-4-carboxaldehyde Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	4.57 ug/L	204	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Imidazole-4-carboxaldehyde	96	C4H4N2O	003034-50-2	5
2	2-Cyclopenten-1-one, 3-methyl-	96	C6H8O	002758-18-1	5
3	4-Cyclopentene-1,3-dione	96	C5H4O2	000930-60-9	4

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

4	4(1H)-Pyrimidinone	96	C4H4N2O	004562-27-0 4
5	1H-Imidazole-2-carboxaldehyde	96	C4H4N2O	010111-08-7 4

****

Peak Number 11 Indolizine, 2-(4-methylphen... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.86	5.81 ug/L	259	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
2	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
3	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
4	Ethyne, fluoro-	44	C2HF	002713-09-9	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 12 Cyclohexane-1,3-dione, 2-al... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.93	7.80 ug/L	348	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
2	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	2,5-Furandione, 3-methyl-	112	C5H4O3	000616-02-4	2
5	Butanedioic acid, methylene-	130	C5H6O4	000097-65-4	2

****

Peak Number 13 Allene Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	5.13 ug/L	229	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allene	40	C3H4	000463-49-0	5
2	Acetaldehyde	44	C2H4O	000075-07-0	2
3	Propyne	40	C3H4	000074-99-7	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Nitrous oxide	44	N2O	010024-97-2	2

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 14 Ethyne, fluoro- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.25	6.43 ug/L	287	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyne, fluoro-	44	C2HF	002713-09-9	2
2	Carbon dioxide	44	CO2	000124-38-9	2
3	Acetaldehyde	44	C2H4O	000075-07-0	2
4	Nitrous oxide	44	N2O	010024-97-2	2
5	Ethyne, fluoro-	44	C2HF	002713-09-9	2

****

Peak Number 15 Cyclohexane-1,3-dione, 2-al... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	4.82 ug/L	215	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
2	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Carbon dioxide	44	CO2	000124-38-9	2
5	Ethylene oxide	44	C2H4O	000075-21-8	2

****

Peak Number 16 Propane Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.45	6.43 ug/L	287	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	3
2	Propane	44	C3H8	000074-98-6	2
3	Ethyne, fluoro-	44	C2HF	002713-09-9	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Carbon dioxide	44	CO2	000124-38-9	2

****

Peak Number 17 Indolizine, 2-(4-methylphen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.79	11.68 ug/L	521	1,4-Difluorobenzene	8.85

Hit# of 4	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	4-Methyl-2,4-bis(4'-trimethylsil...	412	C24H36O2Si2	1000283-56-8	1

****

Peak Number 18 6-Nitro-8-methoxy-2H-chromene Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.90	3.79 ug/L	169	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Nitrous oxide	44	N2O	010024-97-2	2
5	Ethylene oxide	44	C2H4O	000075-21-8	2

****

Peak Number 19 Nitrous oxide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	8.77 ug/L	391	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nitrous oxide	44	N2O	010024-97-2	2
2	Hydrogen chloride	36	ClH	007647-01-0	2
3	Hydrogen chloride	36	ClH	007647-01-0	2
4	Carbon dioxide	44	CO2	000124-38-9	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 20 6-Nitro-8-methoxy-2H-chromene Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	3.99 ug/L	178	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

1	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
2	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
3	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
4	Carbon dioxide	44	CO2	000124-38-9	2
5	Ethylene oxide	44	C2H4O	000075-21-8	2

****

Peak Number 21 Carbon dioxide Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	4.78 ug/L	213	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	2
2	Ethyne, fluoro-	44	C2HF	002713-09-9	2
3	Ethyne, fluoro-	44	C2HF	002713-09-9	2
4	Ethylene oxide	44	C2H4O	000075-21-8	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 22 Carbon dioxide Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	5.31 ug/L	237	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	2
2	Carbon dioxide	44	CO2	000124-38-9	2
3	Ethyne, fluoro-	44	C2HF	002713-09-9	2
4	Ethyne, fluoro-	44	C2HF	002713-09-9	2
5	Ethylene oxide	44	C2H4O	000075-21-8	2

****

Peak Number 23 Indolizine, 2-(4-methylphen... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.68	5.56 ug/L	248	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	4-Methyl-2,4-bis(4'-trimethylsil...	412	C24H36O2Si2	1000283-56-8	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

5 Trimethylsilyl dipropylphosphinate 222 C9H23O2PSi 053483-29-7 1

****

Peak Number 24 Cyclohexane-1,3-dione, 2-al... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	6.68 ug/L	298	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
2	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	Allene	40	C3H4	000463-49-0	2
5	Benzaldehyde, 2-nitro-, diaminom...	207	C8H9N5O2	102632-31-5	1

****

Peak Number 25 6-Nitro-8-methoxy-2H-chromene Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.98	6.19 ug/L	276	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Ethyne, fluoro-	44	C2HF	002713-09-9	2

****

Peak Number 26 Acetaldehyde Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	3.92 ug/L	175	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	2
2	Ethylene oxide	44	C2H4O	000075-21-8	2
3	Acetaldehyde	44	C2H4O	000075-07-0	2
4	3-Chloro-N-[2-methyl-4(3H)-oxo-3...	369	C18H12ClN3O2S	304882-71-1	1
5	Ethylene oxide	44	C2H4O	000075-21-8	1

****

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 27 Indolizine, 2-(4-methylphen... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.14	5.38 ug/L	240	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
2	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
3	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Ethyne, fluoro-	44	C2HF	002713-09-9	2

****

Peak Number 28 Carbon dioxide Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	4.51 ug/L	201	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	2
2	Acetaldehyde	44	C2H4O	000075-07-0	2
3	Ethyne, fluoro-	44	C2HF	002713-09-9	2
4	Nitrous oxide	44	N2O	010024-97-2	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 29 Carbon dioxide Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	4.62 ug/L	206	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	2
2	Carbon dioxide	44	CO2	000124-38-9	2
3	Nitrous oxide	44	N2O	010024-97-2	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Nitrous oxide	44	N2O	010024-97-2	2

****

Peak Number 30 5-Aminoisoxazole Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	5.22 ug/L	233	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoisoxazole	84	C3H4N2O	014678-05-8	5
2	3-Butynoic acid	84	C4H4O2	002345-51-9	4
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
5	Cyanoacetylurea	127	C4H5N3O2	001448-98-2	2

****

Peak Number 31 6-Nitro-8-methoxy-2H-chromene Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.85	4.78 ug/L	213	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Nitrous oxide	44	N2O	010024-97-2	2
5	Carbon dioxide	44	CO2	000124-38-9	2

****

Peak Number 32 Cyclopropane Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	6.88 ug/L	307	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane	42	C3H6	000075-19-4	5
2	Propyne	40	C3H4	000074-99-7	5
3	Allene	40	C3H4	000463-49-0	5
4	Cyclopropene	40	C3H4	002781-85-3	5
5	Cyclopropane	42	C3H6	000075-19-4	4

****

Peak Number 33 Cyclohexane-1,3-dione, 2-al... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	6.55 ug/L	292	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

1	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
2	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	Ethyne, fluoro-	44	C2HF	002713-09-9	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 34 Propane Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	4.01 ug/L	179	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	3
2	Hydrogen chloride	36	ClH	007647-01-0	2
3	Hydrogen chloride	36	ClH	007647-01-0	2
4	Carbon dioxide	44	CO2	000124-38-9	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 35 6-Nitro-8-methoxy-2H-chromene Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	4.01 ug/L	179	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 36 Indolizine, 2-(4-methylphen... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.57	3.92 ug/L	175	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

5	Ethylene oxide	44	C2H4O	000075-21-8 2

****

Peak Number 37 Chloromethane Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	3.65 ug/L	163	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chloromethane	50	CH3Cl	000074-87-3	3
2	Chloromethane	50	CH3Cl	000074-87-3	3
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
5	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2

****

Peak Number 38 Cyclohexane-1,3-dione, 2-al... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	3.90 ug/L	174	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
2	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Hydrogen chloride	36	ClH	007647-01-0	2
5	Hydrogen chloride	36	ClH	007647-01-0	2

****

Peak Number 39 cis-Aconitic anhydride Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	7.91 ug/L	353	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Aconitic anhydride	156	C6H4O5	006318-55-4	9
2	Propane	44	C3H8	000074-98-6	3
3	Propane	44	C3H8	000074-98-6	3
4	Propane	44	C3H8	000074-98-6	3
5	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2

****

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 40 Benzene Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.46	3.81 ug/L	170	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene	78	C6H6	000071-43-2	3
2	Benzene	78	C6H6	000071-43-2	3
3	Benzene	78	C6H6	000071-43-2	3
4	1,3-Hexadien-5-yne	78	C6H6	010420-90-3	3
5	Benzene	78	C6H6	000071-43-2	3

****

Peak Number 41 Cyclohexane-1,3-dione, 2-al... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	6.03 ug/L	269	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
2	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Cyclopropane	42	C3H6	000075-19-4	2
5	Cyclopropane	42	C3H6	000075-19-4	2

****

Peak Number 42 Cyclohexane-1,3-dione, 2-al... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	5.56 ug/L	248	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
2	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 43 Allene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	7.17 ug/L	320	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allene	40	C3H4	000463-49-0	5
2	Propyne	40	C3H4	000074-99-7	2
3	2-Propenal	56	C3H4O	000107-02-8	2
4	2-Propenal	56	C3H4O	000107-02-8	2
5	2-Butyne-1,4-diol, diformate	142	C6H6O4	036677-73-3	1

****

Peak Number 44 Ethylene oxide Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	7.24 ug/L	323	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	2
2	Ethylene oxide	44	C2H4O	000075-21-8	2
3	Acetaldehyde	44	C2H4O	000075-07-0	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Pyrimidine, 4,6-dimethoxy-5-nitro-	185	C6H7N3O4	015846-14-7	2

****

Peak Number 45 Indolizine, 2-(4-methylphen... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	5.16 ug/L	230	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	4-Methyl-2,4-bis(4'-trimethylsil...	412	C24H36O2Si2	1000283-56-8	1
5	[1,2,4]-Triazolo[4,3-a][1,3,5]-t...	249	C9H11N7O2	349574-61-4	1

****

Peak Number 46 Carbon dioxide Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.85	6.84 ug/L	305	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

1	Carbon dioxide	44	CO2	000124-38-9 2
2	Carbon dioxide	44	CO2	000124-38-9 2
3	Ethyne, fluoro-	44	C2HF	002713-09-9 2
4	Ethyne, fluoro-	44	C2HF	002713-09-9 2
5	Ethylene oxide	44	C2H4O	000075-21-8 2

****

Peak Number 47 Ethylene oxide Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	4.91 ug/L	219	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	2
2	Ethylene oxide	44	C2H4O	000075-21-8	2
3	Acetaldehyde	44	C2H4O	000075-07-0	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Ethylene oxide	44	C2H4O	000075-21-8	1

****

Peak Number 48 Pterin-6-carboxylic acid Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	3.65 ug/L	163	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pterin-6-carboxylic acid	207	C7H5N5O3	000948-60-7	4
2	Propane	44	C3H8	000074-98-6	3
3	Propane	44	C3H8	000074-98-6	2
4	Ethylene oxide	44	C2H4O	000075-21-8	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 49 Ethyne, fluoro- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	4.06 ug/L	181	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyne, fluoro-	44	C2HF	002713-09-9	2
2	Nitrous oxide	44	N2O	010024-97-2	2
3	Nitrous oxide	44	N2O	010024-97-2	2
4	Carbon dioxide	44	CO2	000124-38-9	2

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

5	Acetaldehyde	44	C2H4O	000075-07-0 2

****

Peak Number 50 Tricyclo[3.3.1.1(3,7)]decan... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	11.91 ug/L	531	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[3.3.1.1(3,7)]decanone, ...	166	C10H14O2	051020-65-6	1
2	Propanoic acid, chloro-2-hydroxy-	124	C3H5ClO3	074792-92-0	1
3	1,2,4-Methenopentalene, 5-chloro...	154	C9H11Cl	029412-44-0	1
4	2,3-Hexadiene, 4-diethylboryl-2-...	164	C11H21B	1000150-14-8	1
5	Bicyclo[3.3.1]non-6-en-3-ol	138	C9H14O	025048-65-1	1

****

Peak Number 51 6-Nitro-8-methoxy-2H-chromene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.39	4.72 ug/L	403	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
2	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
3	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
4	Ethylene oxide	44	C2H4O	000075-21-8	2
5	Ethyne, fluoro-	44	C2HF	002713-09-9	2

****

Peak Number 52 6-Nitro-8-methoxy-2H-chromene Concentration Rank 75

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	3.05 ug/L	261	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Hydrogen chloride	36	ClH	007647-01-0	2
5	Hydrogen chloride	36	ClH	007647-01-0	2

****

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 53 Indolizine, 2-(4-methylphen... Concentration Rank 77

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	2.34 ug/L	200	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	Carbon dioxide	44	CO2	000124-38-9	2
5	Nitrous oxide	44	N2O	010024-97-2	2

****

Peak Number 54 4-(3-Dimethylaminopropoxy)b... Concentration Rank 76

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	2.73 ug/L	233	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(3-Dimethylaminopropoxy)benzal...	207	C12H17NO2	026934-35-0	3
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
5	Trimethylsilyl dipropylphosphinate	222	C9H23O2PSi	053483-29-7	2

****

Peak Number 55 Propane Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.09	4.12 ug/L	352	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	3
2	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
5	Propane	44	C3H8	000074-98-6	2

****

Peak Number 56 Carbon dioxide Concentration Rank 78

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	2.29 ug/L	196	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	2
2	Carbon dioxide	44	CO2	000124-38-9	2
3	Ethyne, fluoro-	44	C2HF	002713-09-9	2
4	Ethyne, fluoro-	44	C2HF	002713-09-9	2
5	Ethylene oxide	44	C2H4O	000075-21-8	2

****

Peak Number 57 Allene Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	3.37 ug/L	288	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allene	40	C3H4	000463-49-0	5
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
5	Propyne	40	C3H4	000074-99-7	2

****

Peak Number 58 1,3,5-Triazine, 2-amino-4-m... Concentration Rank 79

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.47	2.14 ug/L	183	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Triazine, 2-amino-4-methyl...	153	C6H11N5	021320-31-0	5
2	Pyridine-2,4-diol, 3,5,6-trimethyl-	153	C8H11NO2	109371-16-6	5
3	2(1H)Pyrimidinone,4-(dimethylami...	153	C7H11N3O	002228-27-5	4
4	2H-Azepin-2-one, hexahydro-3-(2-...	153	C9H15NO	029559-34-0	4
5	Hydrazine, (3-nitrophenyl)-	153	C6H7N3O2	000619-27-2	2

****

Peak Number 59 6-Nitro-8-methoxy-2H-chromene Concentration Rank 80

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	1.99 ug/L	170	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

1	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	Carbon dioxide	44	CO2	000124-38-9	2
5	Ethyne, fluoro-	44	C2HF	002713-09-9	2

****

Peak Number 60 Carbon dioxide Concentration Rank 74

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	3.34 ug/L	285	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbon dioxide	44	CO2	000124-38-9	2
2	Carbon dioxide	44	CO2	000124-38-9	2
3	Ethyne, fluoro-	44	C2HF	002713-09-9	2
4	Ethyne, fluoro-	44	C2HF	002713-09-9	2
5	Ethylene oxide	44	C2H4O	000075-21-8	2

****

Peak Number 61 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	12.91 ug/L	327	1,4-Dichlorobenzene-d4	13.87

Hit# of 1	Tentative ID	MW	MolForm	CAS#	Qual
1	No Hits From C:\DATABASE\NIST11.L	0			0

****

Peak Number 62 Propane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	16.51 ug/L	418	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	3
2	Propane	44	C3H8	000074-98-6	3
3	Propane	44	C3H8	000074-98-6	3
4	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
5	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2

****

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 63 Hydrogen chloride Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	9.16 ug/L	232	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrogen chloride	36	ClH	007647-01-0	2
2	Hydrogen chloride	36	ClH	007647-01-0	2
3	Ethyne, fluoro-	44	C2HF	002713-09-9	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 64 Acetaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	10.58 ug/L	268	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	2
2	Acetaldehyde	44	C2H4O	000075-07-0	2
3	Nitrous oxide	44	N2O	010024-97-2	2
4	Ethylene oxide	44	C2H4O	000075-21-8	2
5	Ethyne, fluoro-	44	C2HF	002713-09-9	2

****

Peak Number 65 Hydroxylamine, O-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	6.56 ug/L	166	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	3
2	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	3
3	Carbon dioxide	44	CO2	000124-38-9	2
4	Ethylene oxide	44	C2H4O	000075-21-8	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 66 Ethylene oxide Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

13.37	7.54 ug/L	191	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	2
2	Acetaldehyde	44	C2H4O	000075-07-0	2
3	Acetaldehyde	44	C2H4O	000075-07-0	2
4	Ethylene oxide	44	C2H4O	000075-21-8	2
5	Ethylene oxide	44	C2H4O	000075-21-8	2

****

Peak Number 67 Ethylene oxide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	12.60 ug/L	319	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylene oxide	44	C2H4O	000075-21-8	3
2	Ethylene oxide	44	C2H4O	000075-21-8	3
3	Acetaldehyde	44	C2H4O	000075-07-0	2
4	Acetaldehyde	44	C2H4O	000075-07-0	2
5	Nitrous oxide	44	N2O	010024-97-2	2

****

Peak Number 68 2-(3-Amino-1,2,4-triazol-2-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	8.77 ug/L	222	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(3-Amino-1,2,4-triazol-2-yl)(4...	152	C5H8N6	087633-54-3	2
2	3-Aminothiobenzamide	152	C7H8N2S	078950-36-4	2
3	2,3-Methylenedioxyanisole	152	C8H8O3	001817-95-4	2
4	3,5-Dimethoxytoluene	152	C9H12O2	004179-19-5	2
5	[1,2,5]Oxadiazolo[3,4-b]pyrazine...	152	C4H4N6O	1000300-94-6	2

****

Peak Number 69 Carbon dioxide Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	7.50 ug/L	190	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

1	Carbon dioxide	44	CO2	000124-38-9	2
2	Ethyne, fluoro-	44	C2HF	002713-09-9	2
3	Ethyne, fluoro-	44	C2HF	002713-09-9	2
4	Ethylene oxide	44	C2H4O	000075-21-8	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 70 Propyne Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	6.40 ug/L	162	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyne	40	C3H4	000074-99-7	2
2	Allene	40	C3H4	000463-49-0	2
3	Ammonium Chloride	53	ClH4N	012125-02-9	1
4	Hydrogen chloride	36	ClH	007647-01-0	1
5	Hydrogen chloride	36	ClH	007647-01-0	1

****

Peak Number 71 Formamide, N,N-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	10.78 ug/L	273	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formamide, N,N-dimethyl-	73	C3H7NO	000068-12-2	4
2	Propanamide	73	C3H7NO	000079-05-0	4
3	Propanamide	73	C3H7NO	000079-05-0	4
4	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
5	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2

****

Peak Number 72 Dimethylamine Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	11.73 ug/L	297	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethylamine	45	C2H7N	000124-40-3	4
2	Dimethylamine	45	C2H7N	000124-40-3	4
3	Dimethylamine	45	C2H7N	000124-40-3	4
4	(E)-1-Propene-1,2,3-tricarboxyli...	174	C6H6O6	004023-65-8	4

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

5 1-Propene-1,2,3-tricarboxylic acid 174 C6H6O6 000499-12-7 4

****

Peak Number 73 Benzaldehyde, 2-nitro-, dia... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	11.53 ug/L	292	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-nitro-, diaminom...	207	C8H9N5O2	102632-31-5	4
2	Ethyne, fluoro-	44	C2HF	002713-09-9	2
3	Carbon dioxide	44	CO2	000124-38-9	2
4	Nitrous oxide	44	N2O	010024-97-2	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 74 Acetic acid, cyano- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	11.14 ug/L	282	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, cyano-	85	C3H3NO2	000372-09-8	2
2	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
3	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
4	5-Pyrimidinecarboxylic acid, hex...	214	C8H10N2O5	072088-02-9	2
5	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2

****

Peak Number 75 Hexahydropyridine, 1-methyl... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	8.49 ug/L	215	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexahydropyridine, 1-methyl-4-[4...	207	C12H17NO2	094427-47-1	4
2	1H-1,2,4-Triazole, 3-ethyl-5-(5-...	208	C8H8N4O3	005019-57-8	3
3	Dithieno[2,3-c:3',2'-e]pyridazin...	208	C8H4N2OS2	051974-87-9	3
4	1-Propene, 2-(3-methylphenyl)-1-...	208	C16H16	1000138-72-6	3
5	[1,2,4]Triazolo[1,5-a]pyrimidine...	207	C8H9N5O2	1000316-75-8	2

****

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 76 Propanamide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	9.12 ug/L	231	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanamide	73	C3H7NO	000079-05-0	4
2	Ethyne, fluoro-	44	C2HF	002713-09-9	2
3	Carbon dioxide	44	CO2	000124-38-9	2
4	Ethylene oxide	44	C2H4O	000075-21-8	2
5	Acetaldehyde	44	C2H4O	000075-07-0	2

****

Peak Number 77 Indolizine, 2-(4-methylphen... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	14.10 ug/L	357	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2
2	Cyclohexane-1,3-dione, 2-allylam...	207	C12H17NO2	104926-37-6	2
3	6-Nitro-8-methoxy-2H-chromene	207	C10H9NO4	062063-07-4	2
4	2,4(1H,3H)-Pyrimidinedione, 6-ch...	191	C4H2ClN3O4	006630-30-4	1
5	.beta.-Chloroethylurea	122	C3H7ClN2O	006296-42-0	1

****

Peak Number 78 3,5-Ethanoquinolin-10-one, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	20.73 ug/L	525	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Ethanoquinolin-10-one, decah...	207	C13H21NO	021041-42-9	5
2	4-Cyclohexene-1,2-dicarboximide,...	207	C12H17NO2	028916-00-9	4
3	Dithieno[2,3-c:3',2'-e]pyridazin...	208	C8H4N2OS2	051974-87-9	3
4	Ethyl .alpha.-fluoro-4-methyl-ci...	208	C12H13FO2	1000147-66-6	3
5	Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	2

****

Peak Number 79 3-Amino-7-nitro-1,2,4-benzo... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	13.47 ug/L	341	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Amino-7-nitro-1,2,4-benzotriaz...	207	C7H5N5O3	1000256-54-1	5
2	2-Nitro-4-(trifluoromethyl)phenol	207	C7H4F3NO3	000400-99-7	5
3	3,5-Ethanoquinolin-10-one, decah...	207	C13H21NO	021041-42-9	4
4	4H-Furo[3,2-b]pyrrole-5-carboxyl...	207	C10H9NO4	1000318-88-7	4
5	Hexahydropyridine, 1-methyl-4-[4...	207	C12H17NO2	094427-47-1	4

****

Peak Number 80 N-Isopropyl-3-phenylpropana... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.54	14.18 ug/L	359	1,4-Dichlorobenzene-d4	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Isopropyl-3-phenylpropanamide	191	C12H17NO	056146-87-3	9
2	Propanamide	73	C3H7NO	000079-05-0	4
3	Propanamide	73	C3H7NO	000079-05-0	4
4	Propanamide	73	C3H7NO	000079-05-0	4
5	Indolizine, 2-(4-methylphenyl)-	207	C15H13N	007496-81-3	2

Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071918\
Data File : VW004061.D
Acq On : 20 Jul 2018 03:26
Operator : VA/AP
Sample : J4023-12
Misc : 7.73G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : DB1L5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Guanidine, methyl-	1.64	6.4	ug/L	286	1	8.85	1115	25.0
Cyclohexane-1,3-d...	1.67	7.5	ug/L	333	1	8.85	1115	25.0
2-Chloroethanol	1.75	571.3	ug/L	25480	1	8.85	1115	25.0
Carbon dioxide	1.81	49708.9	ug/L	2217020	1	8.85	1115	25.0
Propane	3.29	4.1	ug/L	184	1	8.85	1115	25.0
Cyclohexane-1,3-d...	3.45	3.6	ug/L	162	1	8.85	1115	25.0
6-Nitro-8-methoxy...	3.66	5.2	ug/L	230	1	8.85	1115	25.0
Allene	3.73	8.7	ug/L	389	1	8.85	1115	25.0
1-Propyne, 3-bromo-	3.78	4.5	ug/L	201	1	8.85	1115	25.0
1H-Imidazole-4-ca...	3.82	4.6	ug/L	204	1	8.85	1115	25.0
Indolizine, 2-(4-...	3.86	5.8	ug/L	259	1	8.85	1115	25.0
Cyclohexane-1,3-d...	3.93	7.8	ug/L	348	1	8.85	1115	25.0
Allene	3.96	5.1	ug/L	229	1	8.85	1115	25.0
Ethyne, fluoro-	4.25	6.4	ug/L	287	1	8.85	1115	25.0
Cyclohexane-1,3-d...	4.39	4.8	ug/L	215	1	8.85	1115	25.0
Propane	4.45	6.4	ug/L	287	1	8.85	1115	25.0
Indolizine, 2-(4-...	4.79	11.7	ug/L	521	1	8.85	1115	25.0
6-Nitro-8-methoxy...	4.90	3.8	ug/L	169	1	8.85	1115	25.0
Nitrous oxide	4.97	8.8	ug/L	391	1	8.85	1115	25.0
6-Nitro-8-methoxy...	5.06	4.0	ug/L	178	1	8.85	1115	25.0
Carbon dioxide	5.29	4.8	ug/L	213	1	8.85	1115	25.0
Carbon dioxide	5.36	5.3	ug/L	237	1	8.85	1115	25.0
Indolizine, 2-(4-...	5.68	5.6	ug/L	248	1	8.85	1115	25.0
Cyclohexane-1,3-d...	5.84	6.7	ug/L	298	1	8.85	1115	25.0
6-Nitro-8-methoxy...	5.98	6.2	ug/L	276	1	8.85	1115	25.0
Acetaldehyde	6.06	3.9	ug/L	175	1	8.85	1115	25.0
Indolizine, 2-(4-...	6.14	5.4	ug/L	240	1	8.85	1115	25.0
Carbon dioxide	6.35	4.5	ug/L	201	1	8.85	1115	25.0
Carbon dioxide	6.40	4.6	ug/L	206	1	8.85	1115	25.0
5-Aminoisoxazole	6.60	5.2	ug/L	233	1	8.85	1115	25.0
6-Nitro-8-methoxy...	6.85	4.8	ug/L	213	1	8.85	1115	25.0
Cyclopropane	6.98	6.9	ug/L	307	1	8.85	1115	25.0
Cyclohexane-1,3-d...	7.10	6.5	ug/L	292	1	8.85	1115	25.0
Propane	7.14	4.0	ug/L	179	1	8.85	1115	25.0
6-Nitro-8-methoxy...	7.42	4.0	ug/L	179	1	8.85	1115	25.0
Indolizine, 2-(4-...	7.57	3.9	ug/L	175	1	8.85	1115	25.0
Chloromethane	7.60	3.7	ug/L	163	1	8.85	1115	25.0
Cyclohexane-1,3-d...	7.81	3.9	ug/L	174	1	8.85	1115	25.0
cis-Aconitic anhy...	8.01	7.9	ug/L	353	1	8.85	1115	25.0
Benzene	8.46	3.8	ug/L	170	1	8.85	1115	25.0
Cyclohexane-1,3-d...	8.48	6.0	ug/L	269	1	8.85	1115	25.0
Cyclohexane-1,3-d...	8.74	5.6	ug/L	248	1	8.85	1115	25.0
Allene	9.08	7.2	ug/L	320	1	8.85	1115	25.0
Ethylene oxide	9.16	7.2	ug/L	323	1	8.85	1115	25.0
Indolizine, 2-(4-...	9.20	5.2	ug/L	230	1	8.85	1115	25.0
Carbon dioxide	9.85	6.8	ug/L	305	1	8.85	1115	25.0
Ethylene oxide	9.88	4.9	ug/L	219	1	8.85	1115	25.0
Pterin-6-carboxyl...	9.93	3.7	ug/L	163	1	8.85	1115	25.0
Ethyne, fluoro-	10.00	4.1	ug/L	181	1	8.85	1115	25.0

Tricyclo[3.3.1.1(...	10.04	11.9	ug/L	531	1	8.85	1115	25.0
6-Nitro-8-methoxy...	10.39	4.7	ug/L	403	2	11.63	2136	25.0
6-Nitro-8-methoxy...	10.44	3.1	ug/L	261	2	11.63	2136	25.0
Indolizine, 2-(4-...	10.81	2.3	ug/L	200	2	11.63	2136	25.0
4-(3-Dimethylamin...	10.93	2.7	ug/L	233	2	11.63	2136	25.0
Propane	11.09	4.1	ug/L	352	2	11.63	2136	25.0
Carbon dioxide	11.14	2.3	ug/L	196	2	11.63	2136	25.0
Allene	11.32	3.4	ug/L	288	2	11.63	2136	25.0
1,3,5-Triazine, 2...	11.47	2.1	ug/L	183	2	11.63	2136	25.0
6-Nitro-8-methoxy...	11.74	2.0	ug/L	170	2	11.63	2136	25.0
Carbon dioxide	12.41	3.3	ug/L	285	2	11.63	2136	25.0
No Hits From C:\D...	13.01	12.9	ug/L	327	3	13.87	633	25.0
Propane	13.02	16.5	ug/L	418	3	13.87	633	25.0
Hydrogen chloride	13.13	9.2	ug/L	232	3	13.87	633	25.0
Acetaldehyde	13.16	10.6	ug/L	268	3	13.87	633	25.0
Hydroxylamine, O-...	13.18	6.6	ug/L	166	3	13.87	633	25.0
Ethylene oxide	13.37	7.5	ug/L	191	3	13.87	633	25.0
Ethylene oxide	13.38	12.6	ug/L	319	3	13.87	633	25.0
2-(3-Amino-1,2,4-...	13.55	8.8	ug/L	222	3	13.87	633	25.0
Carbon dioxide	13.72	7.5	ug/L	190	3	13.87	633	25.0
Propyne	13.76	6.4	ug/L	162	3	13.87	633	25.0
Formamide, N,N-di...	14.15	10.8	ug/L	273	3	13.87	633	25.0
Dimethylamine	14.45	11.7	ug/L	297	3	13.87	633	25.0
Benzaldehyde, 2-n...	14.77	11.5	ug/L	292	3	13.87	633	25.0
Acetic acid, cyano-	14.92	11.1	ug/L	282	3	13.87	633	25.0
Hexahydropyridine...	15.09	8.5	ug/L	215	3	13.87	633	25.0
Propanamide	15.65	9.1	ug/L	231	3	13.87	633	25.0
Indolizine, 2-(4-...	15.71	14.1	ug/L	357	3	13.87	633	25.0
3,5-Ethanoquinoli...	15.90	20.7	ug/L	525	3	13.87	633	25.0
3-Amino-7-nitro-1...	16.21	13.5	ug/L	341	3	13.87	633	25.0
N-Isopropyl-3-phe...	16.54	14.2	ug/L	359	3	13.87	633	25.0

Instrument :
MSVOA_W
ClientSampleId :
DB1L5