LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

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\SFAMWLM070323SMA.M
Title : SFAM01.0

Signal : TIC: VW026529.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.143	38	42	44	rBV	13742	21942	0.35%	0.083%
2	2.180	45	48	51	rVV3	6818	12675	0.20%	0.048%
3	2.363	72	78	92	rVB	79034	221758	3.50%	0.835%
4	2.893	157	165	183	rBV	130073	406461	6.41%	1.530%
5	3.283	227	229	232	rVB3	1622	1554	0.02%	0.006%
6	3.393	239	247	255	rVB3	5957	18991	0.30%	0.072%
7	3.460	255	258	259	rBV3	2147	2255	0.04%	0.008%
8	3.521	265	268	269	rBV3	2514	1977	0.03%	0.007%
9	3.722	298	301	302	rBV3	1786	1884	0.03%	0.007%
10	3.795	310	313	315	rBV4	1995	2366	0.04%	0.009%
11	3.856	315	323	325	rBV9	3972	7240	0.11%	0.027%
12	3.874	325	326	332	rVB6	2751	3431	0.05%	0.013%
13	4.021	339	350	360	rBV	247751	856555	13.51%	3.225%
14	4.112	360	365	377	rVB	131143	361207	5.70%	1.360%
15	4.320	398	399	402	rVB3	1489	1431	0.02%	0.005%
16	4.374	405	408	409	rBV3	2085	1786	0.03%	0.007%
17	4.496	424	428	431	rBV6	1821	2126	0.03%	0.008%
18	4.594	440	444	445	rBV4	1556	1479	0.02%	0.006%
19	4.624	447	449	452	rVB4	1917	1775	0.03%	0.007%
20	4.655	452	454	455	rBV2	1519	1548	0.02%	0.006%
21	4.801	476	478	480	rVB3	2514	2074	0.03%	0.008%
22	4.868	485	489	490	rBV4	2570	2815	0.04%	0.011%
23	4.929	490	499	503	rBV5	9149	29399	0.46%	0.111%
24	5.027	513	515	518	rVV4	2449	2667	0.04%	0.010%
25	5.057	518	520	521	rVV2	2222	1465	0.02%	0.006%
26	5.100	522	527	530	rVV7	3214	6571	0.10%	0.025%
27	5.136	530	533	535	rVB4	4122	4147	0.07%	0.016%
28	5.197	538	543	544	rBV4	3780	4413	0.07%	0.017%
29	5.216	544	546	547	rVV2	2110	1558	0.02%	0.006%
30	5.240	547	550	553	rVV5	3754	5815	0.09%	0.022%
31	5.271	553	555	559	rVV5	2676	4734	0.07%	0.018%
32	5.325	561	564	567	rVV5	3306	4947	0.08%	0.019%
33	5.350	567	568	569	rVV	2905	1557	0.02%	0.006%
34	5.368	569	571	572	rVV2	2420	2337	0.04%	0.009%
35	5.386	572	574	577	rVV4	2897	3217	0.05%	0.012%
36	5.423	577	580	584	rVV6	2584	4383	0.07%	0.017%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : A46X4

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\SFAMWLM070323SMA.M
Title : SFAM01.0

37	5.478	586	589	590	rVV3	1825	2087	0.03%	0.008%
38	5.496	590	592	594	rVB3	2691	2045	0.03%	0.008%
39	5.533	596	598	599	rBV2	2061	1751	0.03%	0.007%
40	5.569	602	604	606	rBV3	1884	1938	0.03%	0.007%
41	5.642	614	616	617	rBV2	1908	1651	0.03%	0.006%
42	5.789	639	640	645	rVB5	2145	2140	0.03%	0.008%
43	5.868	652	653	657	rBV4	1675	2197	0.03%	0.008%
44	5.929	659	663	670	rVV10	5920	15103	0.24%	0.057%
45	6.033	679	680	683	rBV3	2748	2539	0.04%	0.010%
46	6.094	688	690	692	rBV3	2306	1791	0.03%	0.007%
47	6.179	702	704	708	rVB5	2828	3464	0.05%	0.013%
48	6.216	708	710	711	rBV2	2347	2252	0.04%	0.008%
49	6.289	720	722	726	rBV5	1895	2585	0.04%	0.010%
50	6.496	755	756	759	rBV3	1351	1547	0.02%	0.006%
51	6.715	790	792	795	rVV4	1743	1852	0.03%	0.007%
52	6.819	808	809	814	rBV5	1950	2195	0.03%	0.008%
53	6.941	828	829	832	rVB3	2003	1989	0.03%	0.007%
54	6.971	832	834	838	rVB5	2084	3091	0.05%	0.012%
55	7.008	838	840	843	rBV4	2109	2301	0.04%	0.009%
56	7.075	843	851	858	rBV2	72937	212575	3.35%	0.800%
57	7.160	862	865	879	rVB	42472	121754	1.92%	0.458%
58	7.648	935	945	955	rBV	379910	927415	14.63%	3.492%
59	7.746	959	961	964	rBV4	1347	1420	0.02%	0.005%
60	7.831	973	975	976	rVB2	2932	1438	0.02%	0.005%
61	7.898	983	986	988	rBV4	1748	2383	0.04%	0.009%
62	7.965	996	997	1000	rBV3	2411	3033	0.05%	0.011%
63	8.057	1010	1012	1015	rVB3	2968	2632	0.04%	0.010%
64	8.142	1024	1026	1028	rBV3	1778	1624	0.03%	0.006%
65	8.276	1038	1048	1065	rBV2	746470	2226130	35.12%	8.381%
66	8.514	1085	1087	1090	rVV4	2275	2820	0.04%	0.011%
67	8.618	1102	1104	1106	rVB3	1979	1418	0.02%	0.005%
68	8.648	1107	1109	1112	rBV4	1571	1615	0.03%	0.006%
69	8.697	1112	1117	1129	rVB6	6412	19320	0.30%	0.073%
70	8.843	1129	1141	1150	rBV	843762	1655289	26.11%	6.232%
71	9.002	1164	1167	1170	rVB5	2123	3092	0.05%	0.012%
72	9.075	1170	1179	1182	rBV5	5073	13366	0.21%	0.050%
73	9.124	1185	1187	1189	rVB3	2904	2288	0.04%	0.009%
74	9.276	1203	1212	1221	rBV	530173	1089033	17.18%	4.100%
75	9.544	1255	1256	1257	rBV	2634	1660	0.03%	0.006%
76	9.660	1272	1275	1276	rBV3	2924	2701	0.04%	0.010%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

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\SFAMWLM070323SMA.M
Title : SFAM01.0

77	9.758	1289	1291	1294	rVB4	2686	2612	0.04%	0.010%
78	9.794	1294	1297	1300	rBV5	3162	5014	0.08%	0.019%
79	10.032	1329	1336	1344	rBV	221569	401897	6.34%	1.513%
80	10.203	1361	1364	1366	rBV4	4976	5432	0.09%	0.020%
81	10.325	1375	1384	1391	rBV	916143	1613271	25.45%	6.074%
82	10.386	1391	1394	1398	rVB5	4927	7814	0.12%	0.029%
83	10.501	1409	1413	1417	rBV7	4761	7089	0.11%	0.027%
84	10.574	1419	1425	1434	rVB	132166	237574	3.75%	0.894%
85	10.654	1436	1438	1441	rBV4	2318	3564	0.06%	0.013%
86	10.922	1476	1482	1494	rBV	243148	467567	7.38%	1.760%
87	11.227	1526	1532	1533	rBV6	8812	15173	0.24%	0.057%
88	11.257	1535	1537	1538	rBV2	6560	5468	0.09%	0.021%
89	11.629	1591	1598	1606	rBV	1100559	1745867	27.54%	6.573%
90	12.038	1663	1665	1666	rBV2	4077	2294	0.04%	0.009%
91	12.470	1734	1736	1738	rBV3	6378	5426	0.09%	0.020%
92	12.690	1766	1772	1778	rBV	463531	726505	11.46%	2.735%
93	12.983	1792	1820	1828	rBV3	937767	6338577	100.00%	23.865%
94	13.556	1908	1914	1926	rVB	799167	1288830	20.33%	4.852%
95	13.848	1956	1962	1971	rBV	573021	1014489	16.00%	3.820%
96	14.836	2113	2124	2144	rVB3	934618	3089463	48.74%	11.632%
97	15.318	2198	2203	2209	rBV	153558	244412	3.86%	0.920%
98	15.915	2289	2301	2311	rBV7	74367	363652	5.74%	1.369%
99	16.275	2355	2360	2368	rVB2	117323	227813	3.59%	0.858%
100	16.616	2408	2416	2430	rVB7	80526	380293	6.00%	1.432%

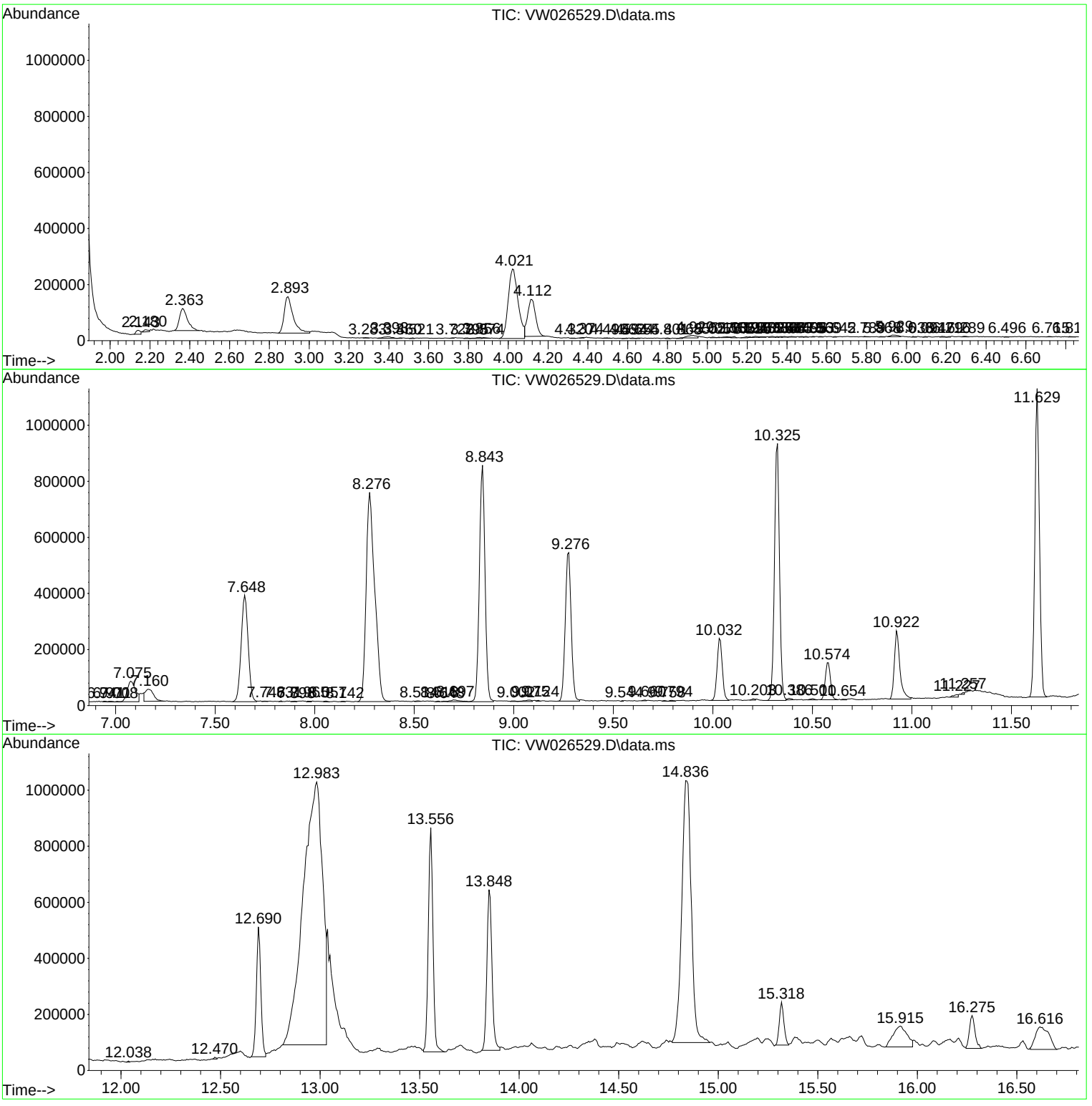
Sum of corrected areas: 26560160

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

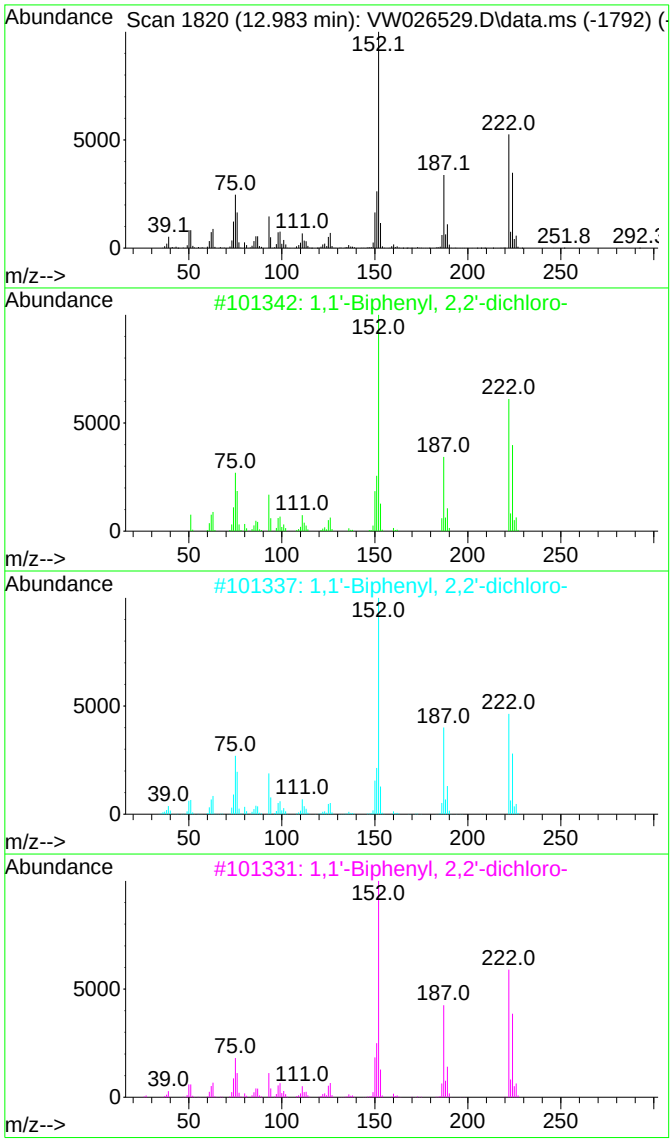
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

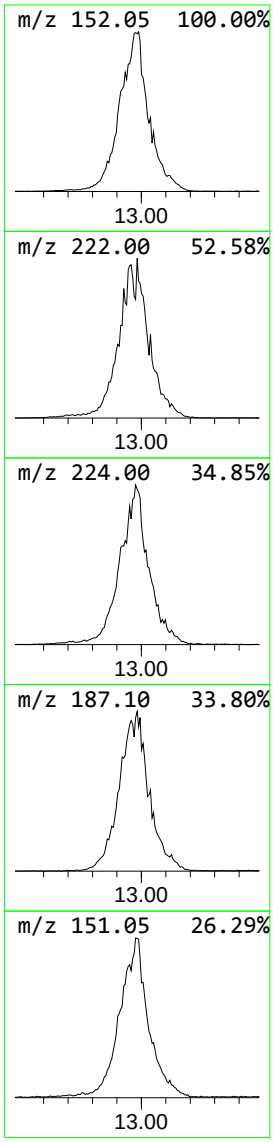
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1,1'-Biphenyl, 2,2'-dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.983	122.95 ug/L	6338580	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
2	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
3	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
4	1,1'-Biphenyl, 2,2'-dichloro-	222	C12H8Cl2	013029-08-8	99
5	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

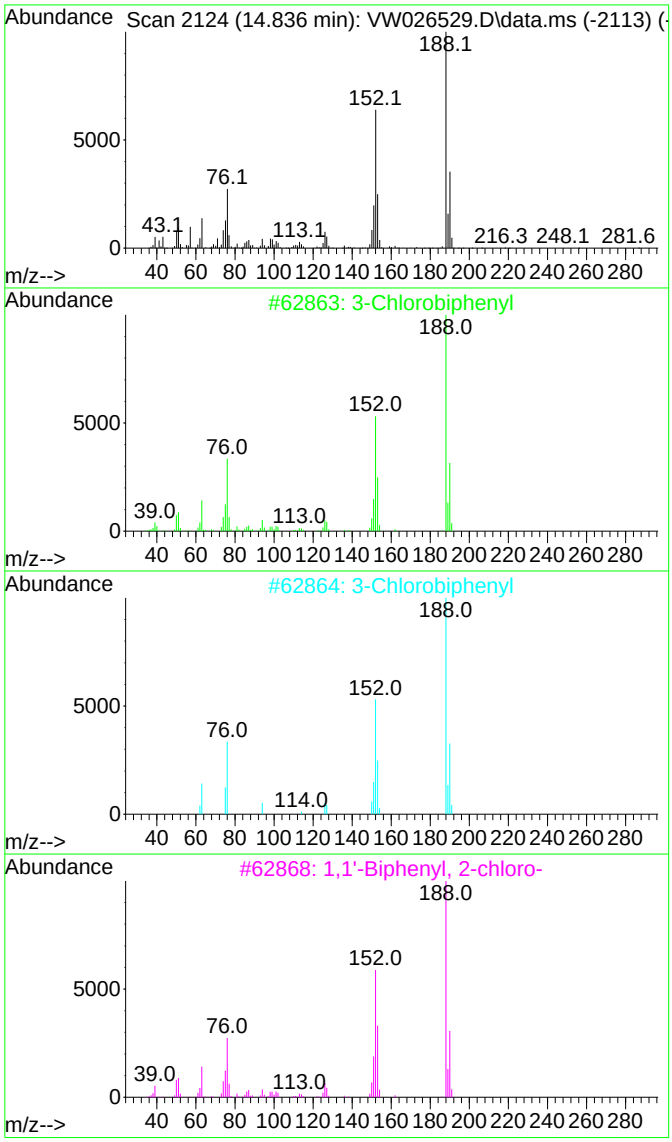
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

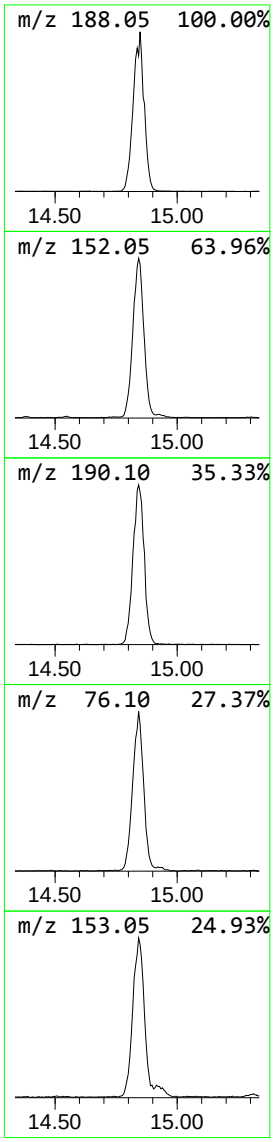
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 3-Chlorobiphenyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	59.93 ug/L	3089460	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	98
2	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	98
3	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	97
4	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	96
5	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

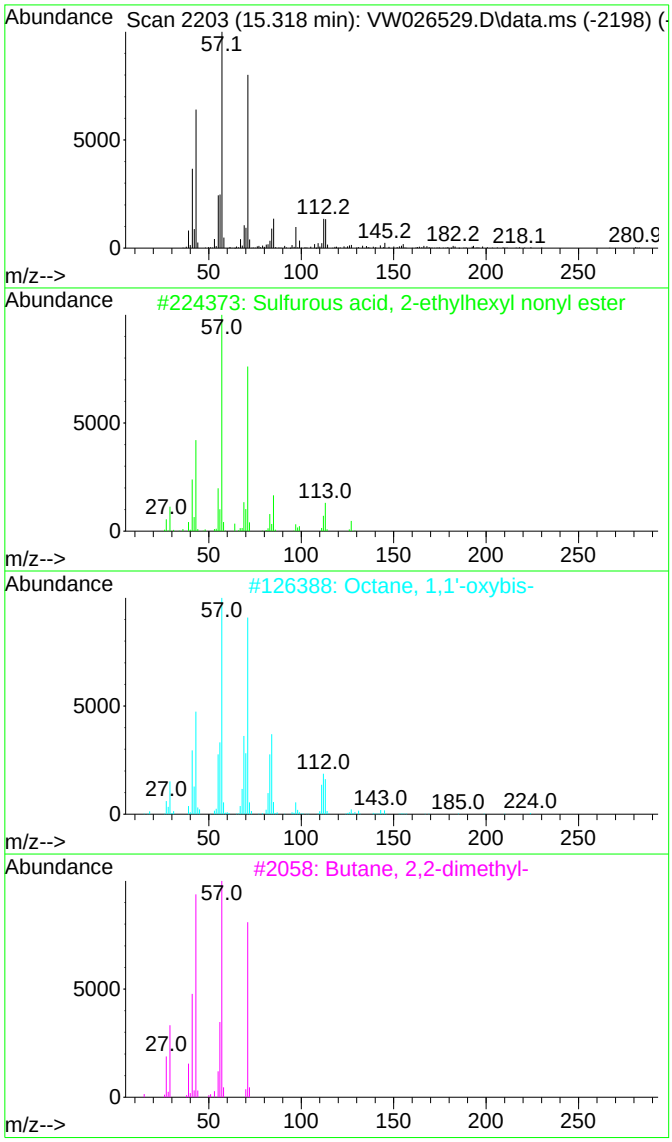
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

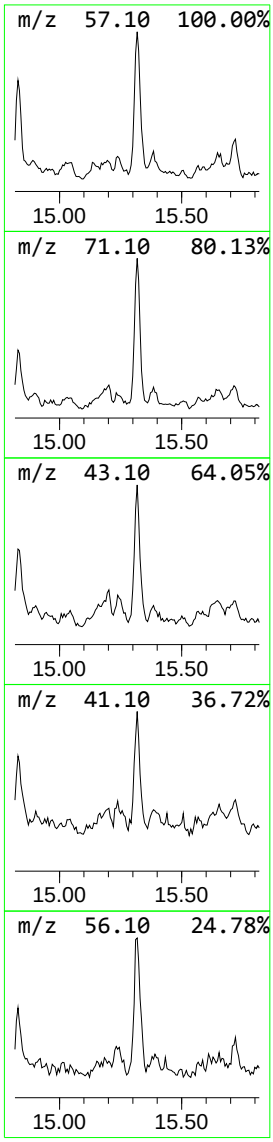
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Sulfurous acid, 2-ethylhexy... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	4.74 ug/L	244412	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	80
2	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	72
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
4	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	53
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

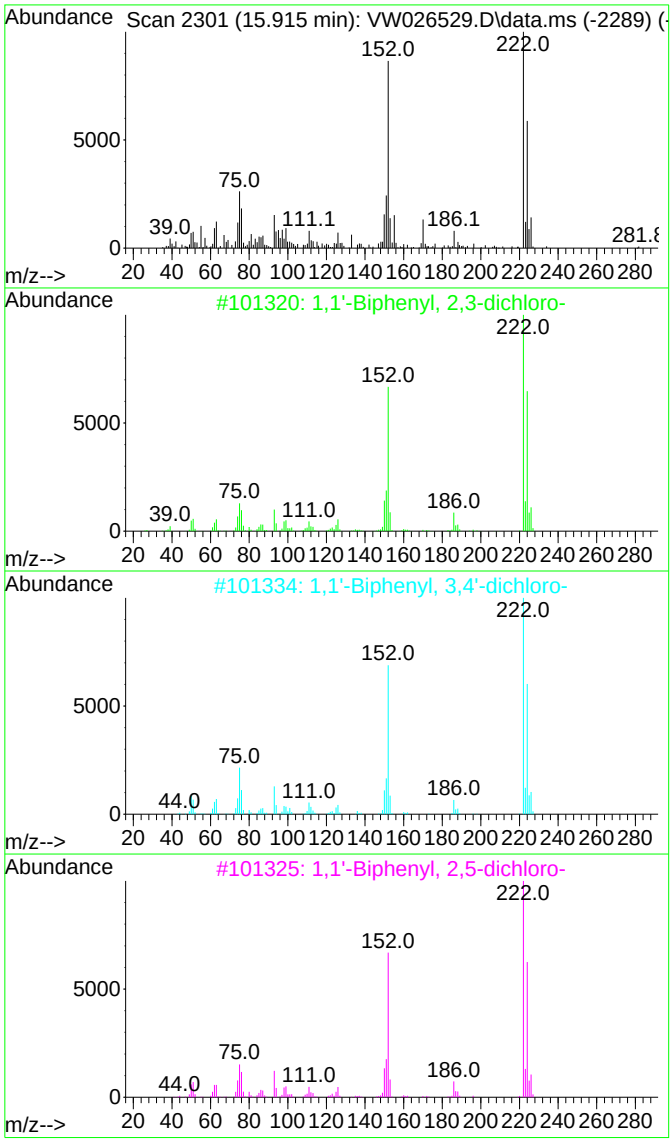
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

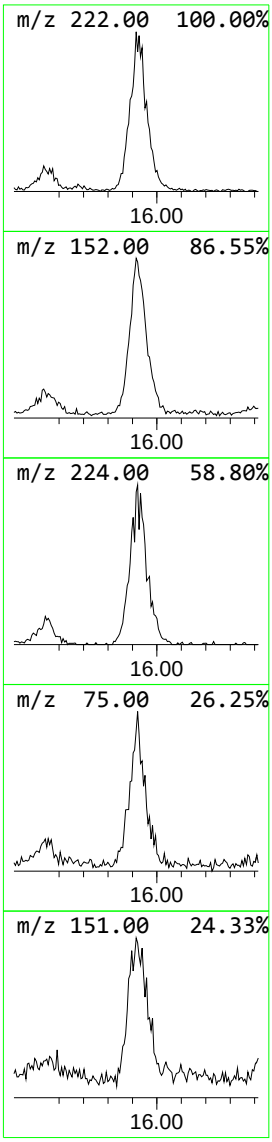
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,1'-Biphenyl, 2,3-dichloro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.915	7.05 ug/L	363652	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3-dichloro-	222	C12H8Cl2	016605-91-7	99
2	1,1'-Biphenyl, 3,4'-dichloro-	222	C12H8Cl2	002974-90-5	99
3	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	99
4	1,1'-Biphenyl, 3,3'-dichloro-	222	C12H8Cl2	002050-67-1	98
5	1,1'-Biphenyl, 3,5-dichloro-	222	C12H8Cl2	034883-41-5	98





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

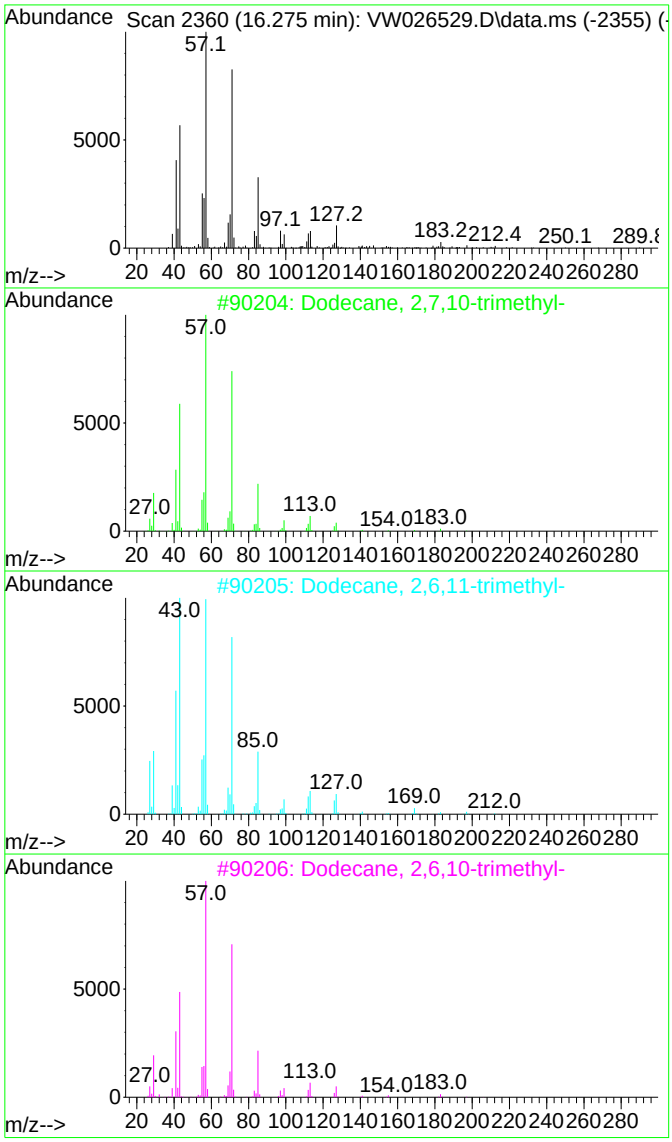
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

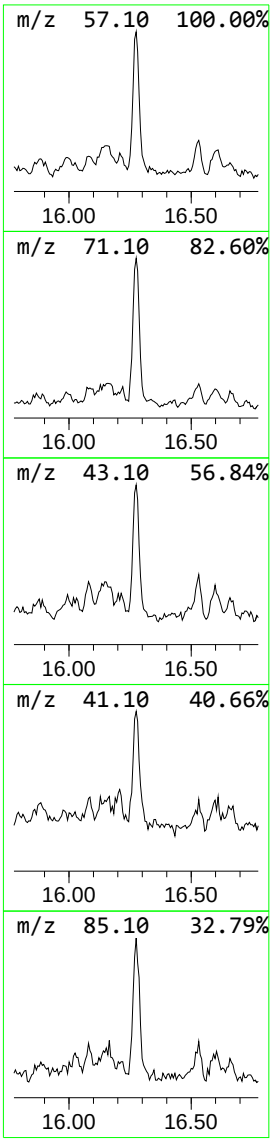
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	4.42 ug/L	227813	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

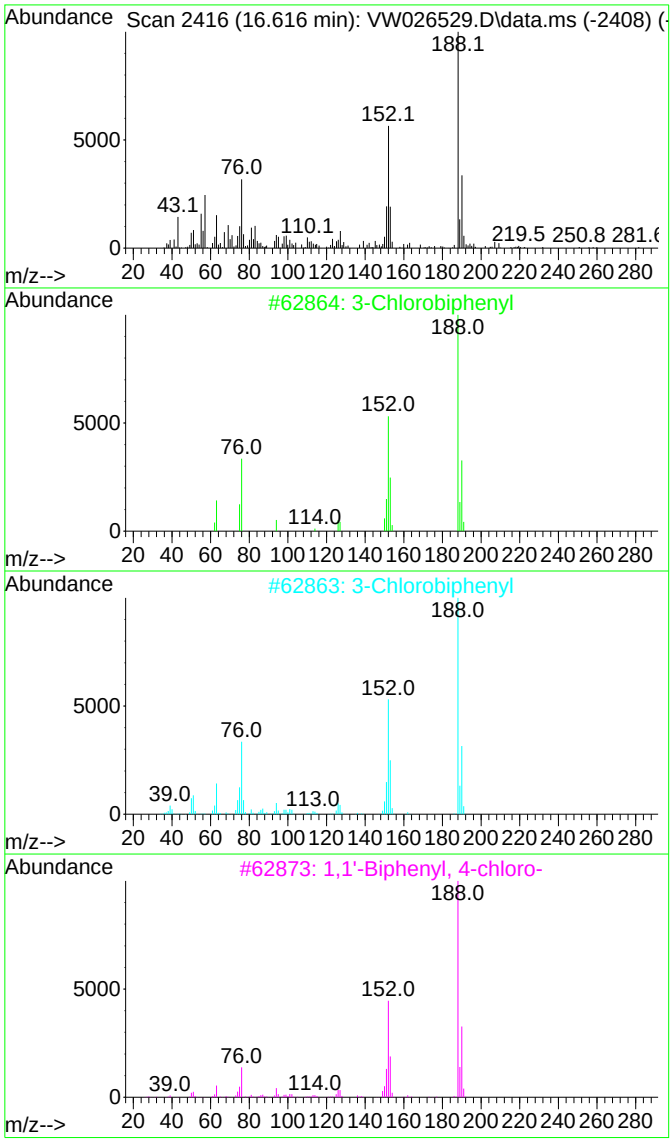
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

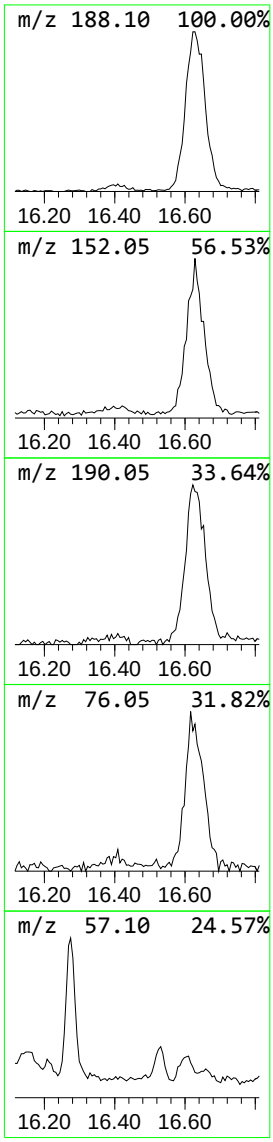
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1,1'-Biphenyl, 4-chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.616	7.38 ug/L	380293	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	98
2	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	98
3	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	93
4	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	91
5	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW070523\
Data File : VW026529.D
Acq On : 05 Jul 2023 13:42
Operator : SY/MD
Sample : 03501-09
Misc : 5.03g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070323SMA.M
Quant Title : SFAM01.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1,1'-Biphenyl, ...	12.983	123.0	ug/L	6338580	3	13.556	1288830	25.0
3-Chlorobiphenyl	14.836	59.9	ug/L	3089460	3	13.556	1288830	25.0
Sulfurous acid,...	15.318	4.7	ug/L	244412	3	13.556	1288830	25.0
1,1'-Biphenyl, ...	15.915	7.0	ug/L	363652	3	13.556	1288830	25.0
(DEL) Alkane: S...	16.275	4.4	ug/L	227813	3	13.556	1288830	25.0
1,1'-Biphenyl, ...	16.616	7.4	ug/L	380293	3	13.556	1288830	25.0