LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026503.D
Acq On : 01 Jul 2023 04:24
Operator : SY/MD
Sample : 03501-09
Misc : 6.43g/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\SFAMWLM062923SMA.M
Title : SFAM01.0

Signal : TIC: VW026503.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	45	rBV	17907	30690	1.38%	0.174%
2	2.192	45	50	62	rVB2	17101	66986	3.01%	0.379%
3	2.363	72	78	92	rVB	109340	283977	12.76%	1.608%
4	2.619	118	120	122	rBV3	5321	5125	0.23%	0.029%
5	2.814	148	152	156	rBV	7384	13164	0.59%	0.075%
6	2.893	158	165	181	rVB	119414	335481	15.07%	1.900%
7	3.289	225	230	232	rBV5	2405	3972	0.18%	0.022%
8	3.399	241	248	254	rBV6	6691	19073	0.86%	0.108%
9	3.539	265	271	276	rVB8	2567	6100	0.27%	0.035%
10	3.680	290	294	295	rBV4	1032	1461	0.07%	0.008%
11	3.698	295	297	300	rVB4	2237	1606	0.07%	0.009%
12	3.728	300	302	303	rBV2	3146	2215	0.10%	0.013%
13	3.838	316	320	321	rBV4	2530	2477	0.11%	0.014%
14	3.869	321	325	326	rVV4	2114	3017	0.14%	0.017%
15	3.948	336	338	340	rBV3	2062	1853	0.08%	0.010%
16	4.021	340	350	360	rVV2	201104	662112	29.74%	3.749%
17	4.118	360	366	377	rVB	129537	345917	15.54%	1.959%
18	4.314	394	398	400	rVB5	1559	1356	0.06%	0.008%
19	4.393	405	411	412	rBV6	3753	6050	0.27%	0.034%
20	4.490	425	427	431	rVB5	2106	2161	0.10%	0.012%
21	4.576	439	441	443	rBV3	1181	1321	0.06%	0.007%
22	4.594	443	444	449	rVB5	1789	1531	0.07%	0.009%
23	4.667	452	456	462	rBV8	2557	5086	0.23%	0.029%
24	4.795	472	477	480	rBV7	2322	3201	0.14%	0.018%
25	4.911	486	496	508	rBV4	17510	68285	3.07%	0.387%
26	5.033	514	516	520	rVB5	1260	1484	0.07%	0.008%
27	5.076	520	523	524	rBV3	1682	1802	0.08%	0.010%
28	5.240	548	550	552	rVB3	1711	1596	0.07%	0.009%
29	5.350	564	568	572	rVB7	1740	2494	0.11%	0.014%
30	5.393	572	575	576	rBV3	2420	2233	0.10%	0.013%
31	5.472	587	588	593	rBV5	1090	1461	0.07%	0.008%
32	5.661	613	619	623	rBV9	1407	2496	0.11%	0.014%
33	5.734	629	631	633	rBV3	2533	2931	0.13%	0.017%
34	5.765	633	636	638	rVV4	1431	2238	0.10%	0.013%
35	5.789	638	640	644	rVB5	2928	3848	0.17%	0.022%
36	5.832	644	647	651	rVB6	1649	2847	0.13%	0.016%

LSC Area Percent Report

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Operator : SY/MD
Sample : 03501-09
Misc : 6.43g/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\SFAMWLM062923SMA.M
Title : SFAM01.0

37	5.880	651	655	656	rBV4	1776	2330	0.10%	0.013%
38	5.911	656	660	661	rVV4	2091	2835	0.13%	0.016%
39	5.947	661	666	672	rVV9	4448	12071	0.54%	0.068%
40	5.990	672	673	676	rVB3	2009	1418	0.06%	0.008%
41	6.106	687	692	695	rBV7	1109	2057	0.09%	0.012%
42	6.155	698	700	705	rVB6	1786	2516	0.11%	0.014%
43	6.197	705	707	708	rBV2	2129	1572	0.07%	0.009%
44	6.222	708	711	714	rBV5	2165	2661	0.12%	0.015%
45	6.246	714	715	717	rBV2	1616	1277	0.06%	0.007%
46	6.295	720	723	730	rVB9	3074	6460	0.29%	0.037%
47	6.423	741	744	745	rBV3	1109	1320	0.06%	0.007%
48	6.472	749	752	755	rVB5	1280	1630	0.07%	0.009%
49	6.520	759	760	763	rBV2	1790	1789	0.08%	0.010%
50	6.783	800	803	804	rBV3	1851	1436	0.06%	0.008%
51	6.825	808	810	813	rVB4	1584	1607	0.07%	0.009%
52	6.868	815	817	819	rBV3	1887	1401	0.06%	0.008%
53	6.905	819	823	826	rVB5	1754	2705	0.12%	0.015%
54	6.966	830	833	836	rBV5	2065	2839	0.13%	0.016%
55	7.081	844	852	858	rBV2	43826	144642	6.50%	0.819%
56	7.167	861	866	877	rVB	63292	183231	8.23%	1.038%
57	7.319	889	891	894	rBV4	1722	1983	0.09%	0.011%
58	7.417	905	907	908	rBV2	1602	1315	0.06%	0.007%
59	7.435	908	910	913	rVB4	2538	2597	0.12%	0.015%
60	7.502	916	921	922	rBV5	2339	2981	0.13%	0.017%
61	7.648	935	945	961	rVB	431250	1085815	48.77%	6.148%
62	7.837	974	976	981	rVB6	1422	1804	0.08%	0.010%
63	7.892	981	985	988	rBV5	1109	1917	0.09%	0.011%
64	8.032	1003	1008	1014	rBV9	2833	6285	0.28%	0.036%
65	8.106	1017	1020	1024	rVB6	1310	1809	0.08%	0.010%
66	8.136	1024	1025	1026	rBV	2224	1463	0.07%	0.008%
67	8.276	1036	1048	1066	rVV2	748763	2226276	100.00%	12.606%
68	8.691	1110	1116	1124	rVV4	7351	19283	0.87%	0.109%
69	8.843	1131	1141	1149	rBV	851604	1714885	77.03%	9.711%
70	8.996	1164	1166	1167	rBV2	1714	1289	0.06%	0.007%
71	9.081	1177	1180	1185	rVB7	3311	6116	0.27%	0.035%
72	9.276	1203	1212	1221	rBV	529670	1092586	49.08%	6.187%
73	9.447	1238	1240	1242	rBV3	1671	1924	0.09%	0.011%
74	9.465	1242	1243	1245	rVV2	1798	1287	0.06%	0.007%
75	9.617	1265	1268	1269	rVB3	2095	1876	0.08%	0.011%
76	9.660	1272	1275	1277	rBV4	3478	4512	0.20%	0.026%

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Acq On : 01 Jul 2023 04:24
Operator : SY/MD
Sample : 03501-09
Misc : 6.43g/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\SFAMWLM062923SMA.M
Title : SFAM01.0

77	9.813	1298	1300	1303	rBV4	1461	1705	0.08%	0.010%
78	9.947	1318	1322	1324	rBV5	3127	4253	0.19%	0.024%
79	10.032	1328	1336	1345	rBV	149870	281829	12.66%	1.596%
80	10.203	1362	1364	1369	rBV4	2996	4093	0.18%	0.023%
81	10.325	1375	1384	1390	rBV	892646	1577907	70.88%	8.935%
82	10.386	1390	1394	1401	rVB2	18302	38712	1.74%	0.219%
83	10.501	1409	1413	1419	rVB8	8036	12522	0.56%	0.071%
84	10.581	1419	1426	1434	rBV	91220	165643	7.44%	0.938%
85	10.703	1441	1446	1451	rBV3	6576	10744	0.48%	0.061%
86	10.855	1467	1471	1472	rBV4	4572	6146	0.28%	0.035%
87	10.922	1477	1482	1497	rVV4	146997	391948	17.61%	2.219%
88	11.343	1536	1551	1560	rBV5	65160	332415	14.93%	1.882%
89	11.629	1591	1598	1605	rBV	1039532	1760459	79.08%	9.969%
90	11.709	1609	1611	1615	rBV3	6520	8865	0.40%	0.050%
91	11.837	1629	1632	1636	rBV5	8847	13516	0.61%	0.077%
92	12.599	1755	1757	1764	rVB4	31940	52949	2.38%	0.300%
93	12.690	1766	1772	1779	rBV	313619	515385	23.15%	2.918%
94	12.946	1804	1814	1815	rBV2	176834	428195	19.23%	2.425%
95	13.556	1908	1914	1926	rVB	474001	803778	36.10%	4.551%
96	13.848	1956	1962	1971	rBV	360777	658261	29.57%	3.727%
97	14.854	2117	2127	2139	rVB2	533624	1700308	76.37%	9.628%
98	15.318	2199	2203	2210	rVB	97926	157900	7.09%	0.894%
99	16.275	2355	2360	2370	rVB	110352	201213	9.04%	1.139%
100	16.616	2410	2416	2417	rBV4	41802	75898	3.41%	0.430%

Sum of corrected areas: 17660091

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026503.D
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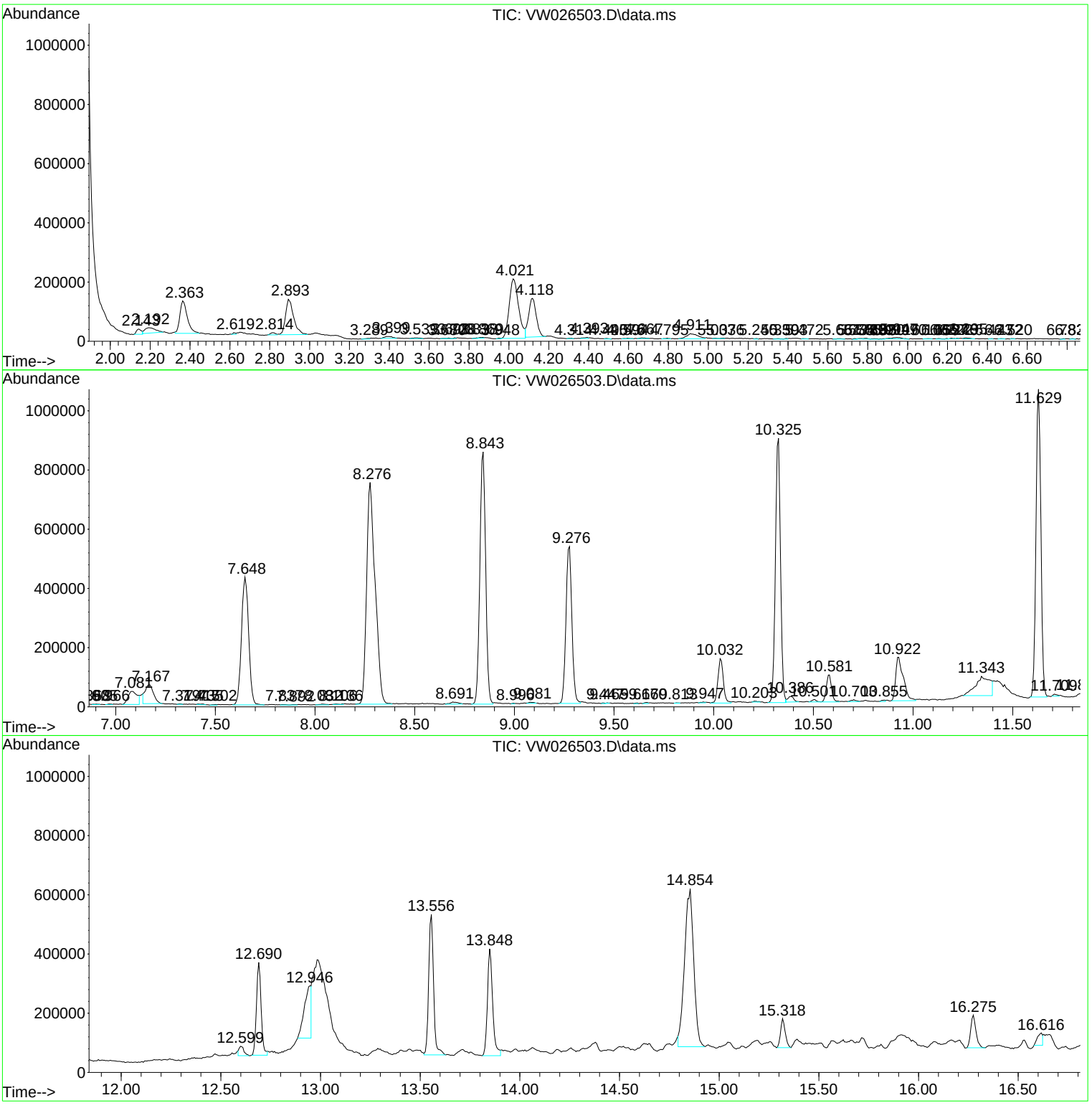
Misc : 6.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026503.D
Acq On : 01 Jul 2023 04:24
Operator : SY/MD
Sample : 03501-09
Misc : 6.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

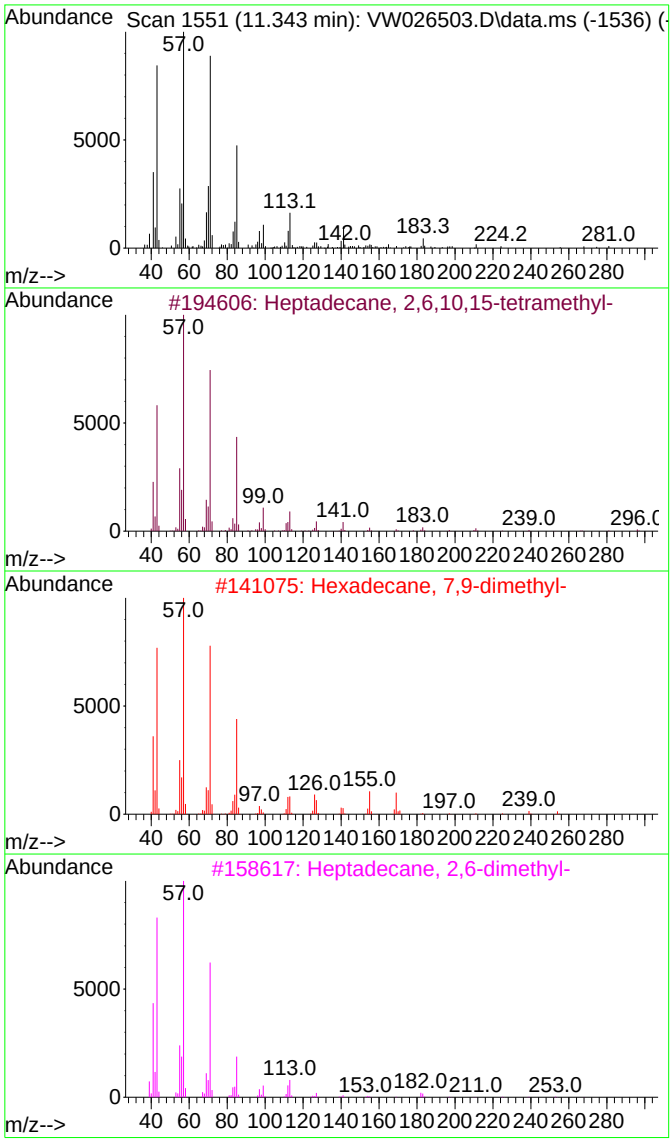
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

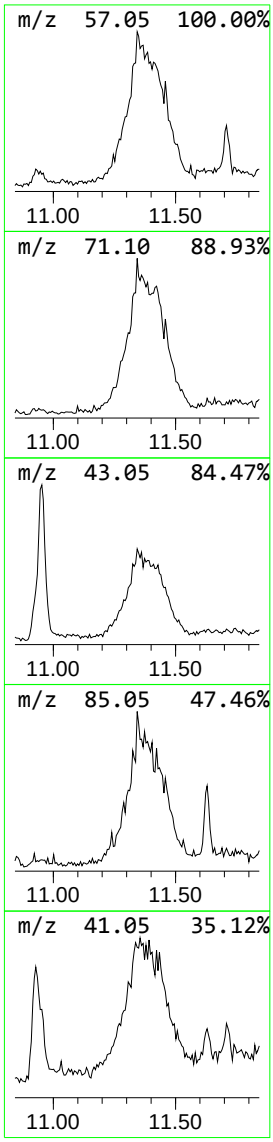
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.343	4.72 ug/L	332415	Chlorobenzene-d5	11.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	80
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	76
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	76
5	Nonadecane	268	C19H40	000629-92-5	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026503.D
Acq On : 01 Jul 2023 04:24
Operator : SY/MD
Sample : 03501-09
Misc : 6.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

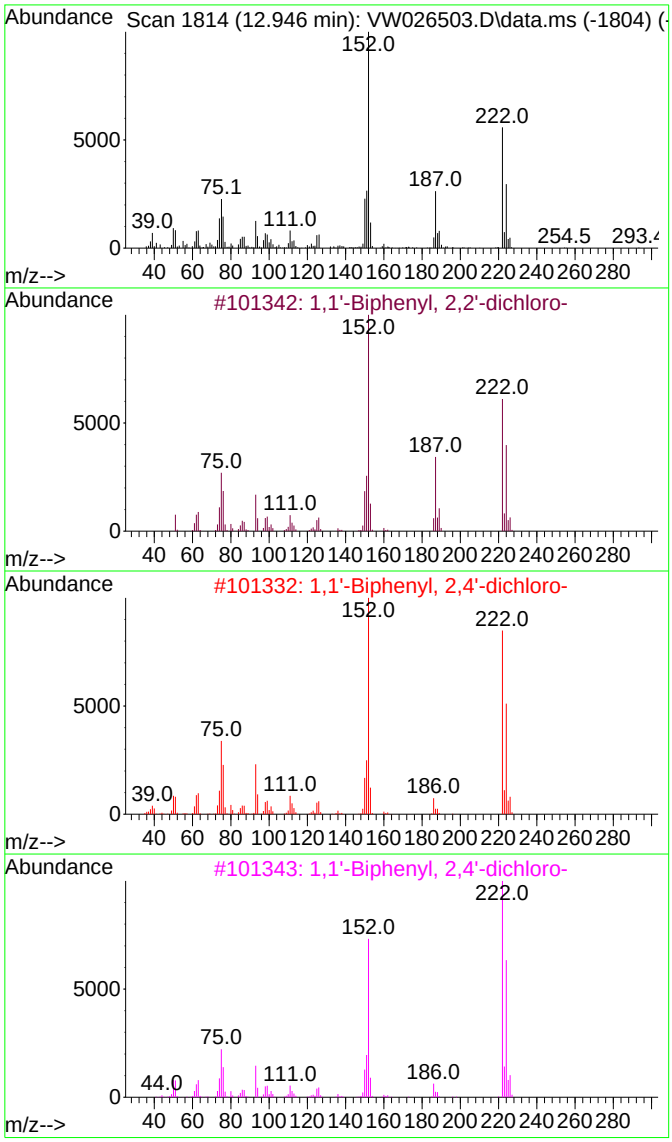
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

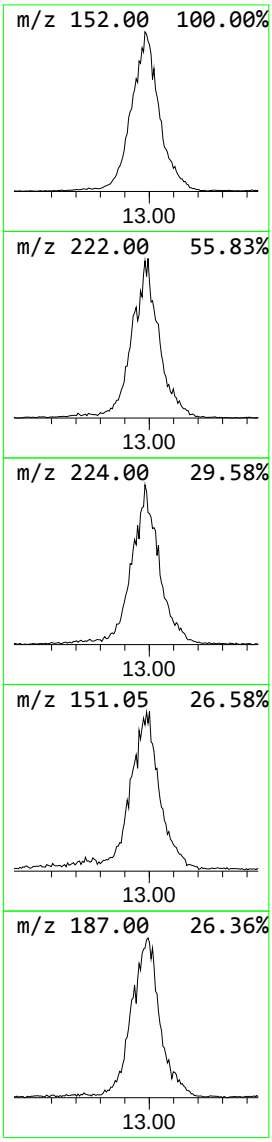
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.946	13.32 ug/L	428195	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, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	98
3	1,1'-Biphenyl, 2,4'-dichloro-	222	C12H8Cl2	034883-43-7	97
4	1,1'-Biphenyl, 2,5-dichloro-	222	C12H8Cl2	034883-39-1	96
5	1,1'-Biphenyl 2,3'-dichloro-	222	C12H8Cl2	025569-80-6	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026503.D
Acq On : 01 Jul 2023 04:24
Operator : SY/MD
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

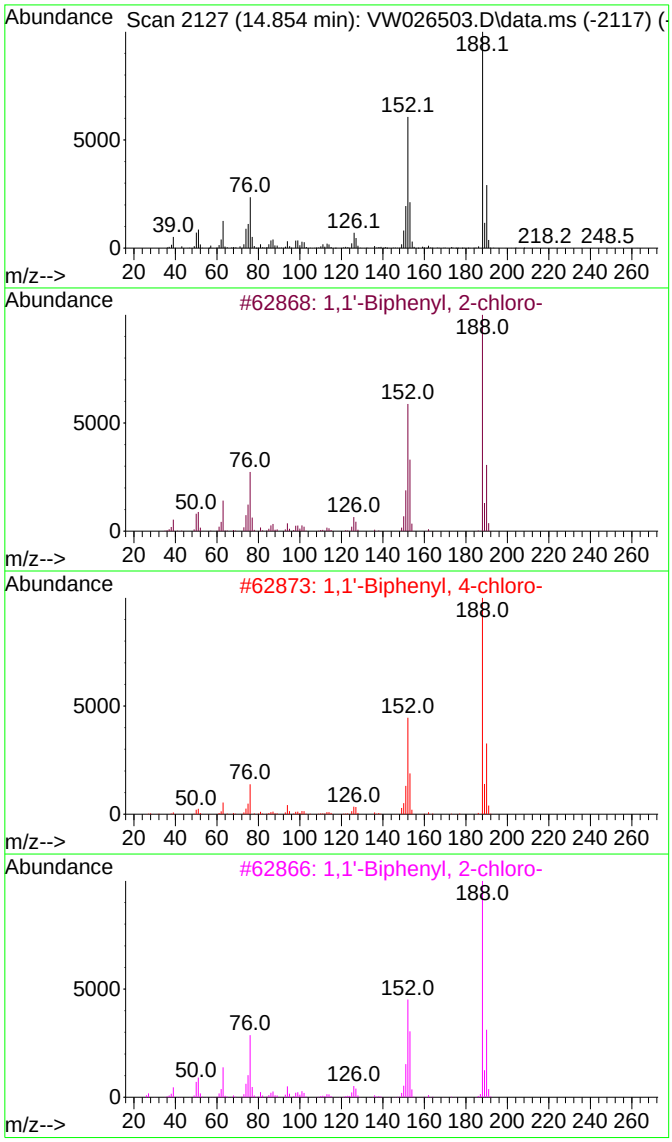
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

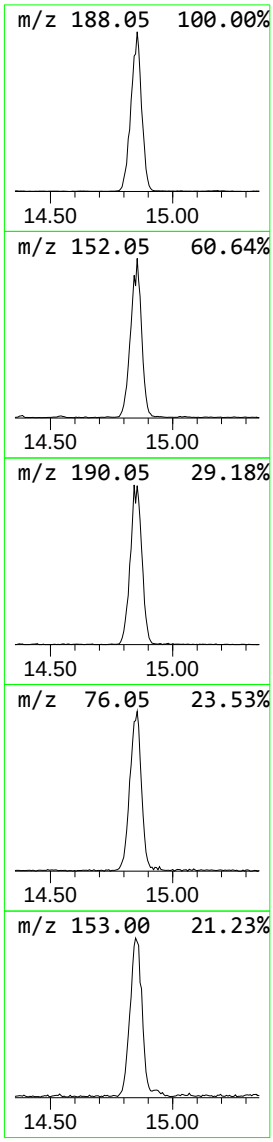
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1,1'-Biphenyl, 2-chloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.854	52.88 ug/L	1700310	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	95
2	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	94
3	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	93
4	1,1'-Biphenyl, 2-chloro-	188	C12H9Cl	002051-60-7	93
5	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026503.D
Acq On : 01 Jul 2023 04:24
Operator : SY/MD
Sample : 03501-09
Misc : 6.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

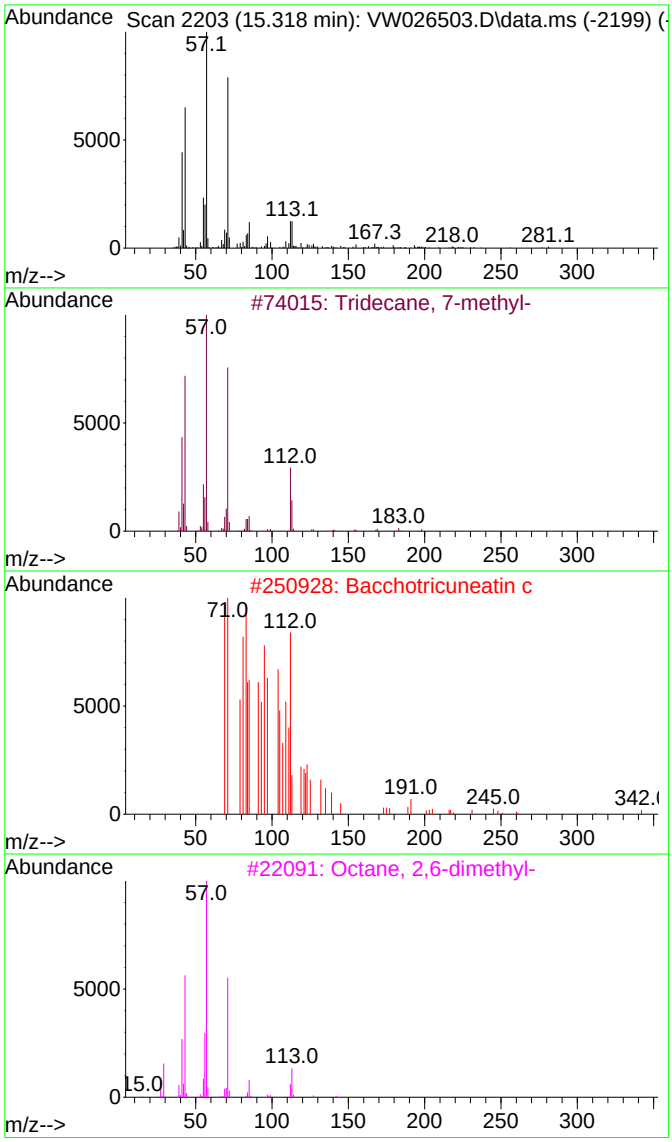
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

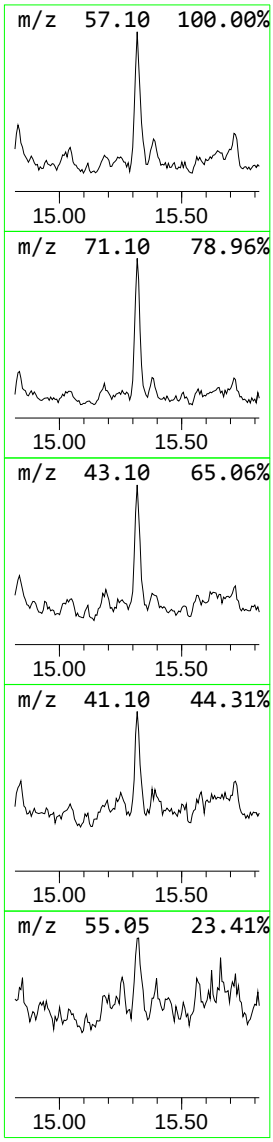
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.318	4.91 ug/L	157900	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	93
2	Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
4	Decane, 5-propyl-	184	C13H28	017312-62-8	72
5	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026503.D
Acq On : 01 Jul 2023 04:24
Operator : SY/MD
Sample : 03501-09
Misc : 6.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

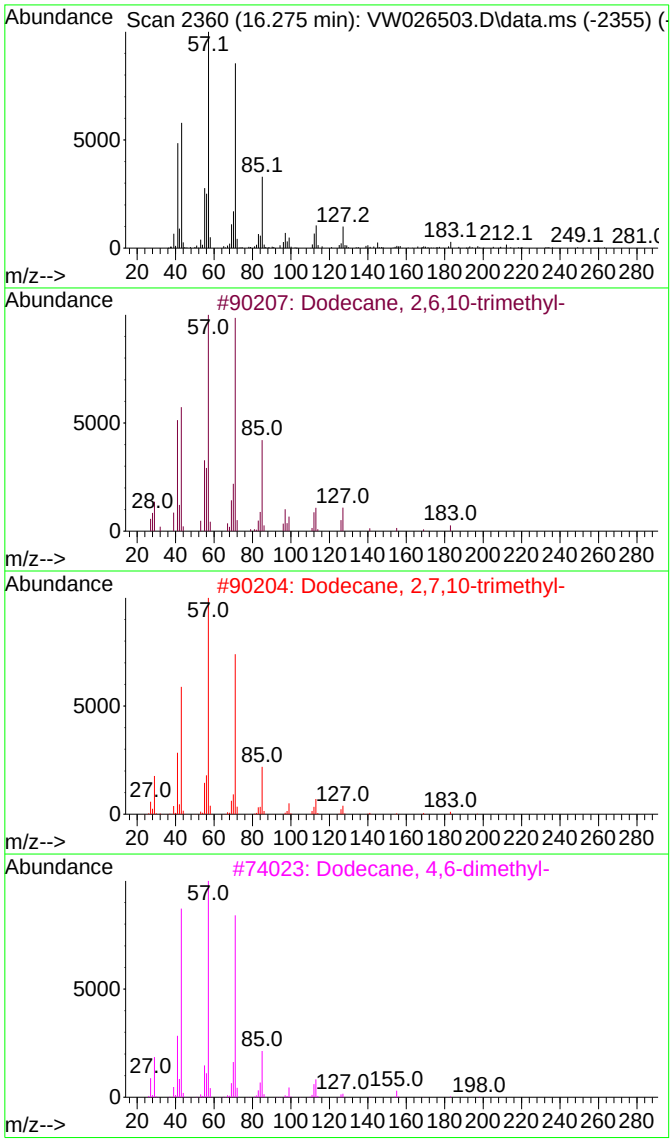
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

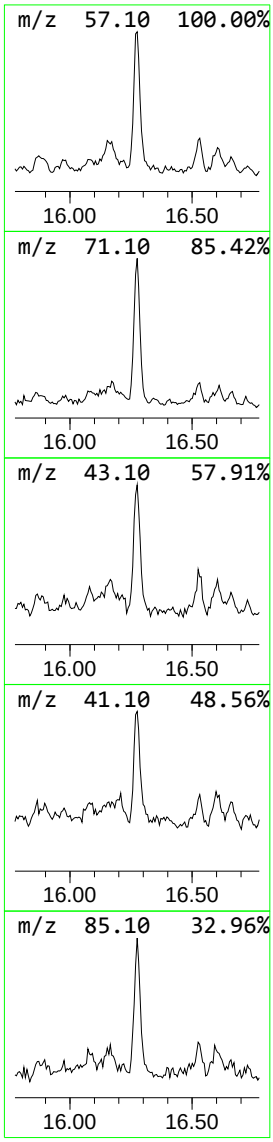
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.275	6.26 ug/L	201213	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	90
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	81
4	Decane, 2-methyl-	156	C11H24	006975-98-0	80
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026503.D
Acq On : 01 Jul 2023 04:24
Operator : SY/MD
Sample : 03501-09
Misc : 6.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.M
Quant Title : SFAM01.0

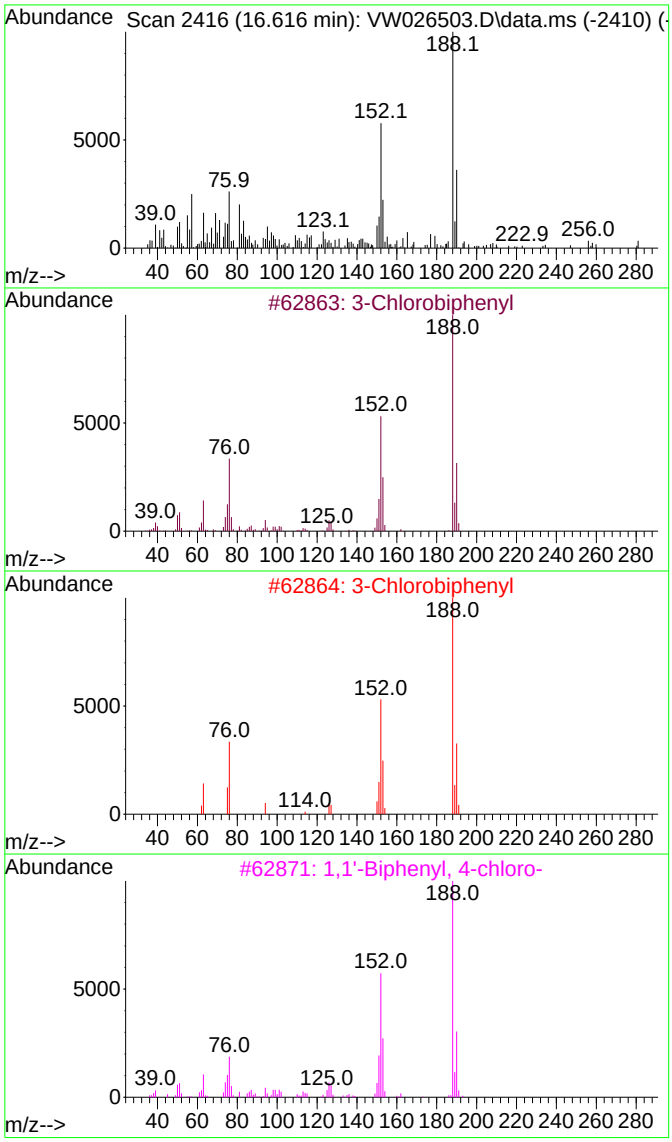
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

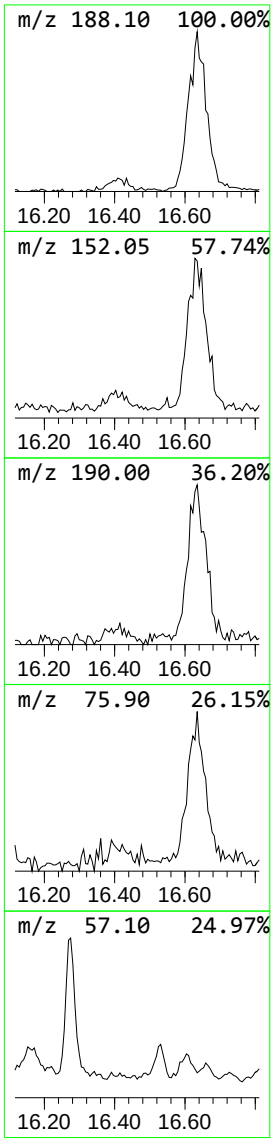
****

Peak Number 8 3-Chlorobiphenyl Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.616	2.36 ug/L	75898	1,4-Dichlorobenzene-d4	13.556

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	94
2	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	94
3	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	94
4	3-Chlorobiphenyl	188	C12H9Cl	002051-61-8	91
5	1,1'-Biphenyl, 4-chloro-	188	C12H9Cl	002051-62-9	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063023\
Data File : VW026503.D
Acq On : 01 Jul 2023 04:24
Operator : SY/MD
Sample : 03501-09
Misc : 6.43g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
A46X4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM062923SMA.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
(DEL) Alkane: S...	11.343	4.7	ug/L	332415	2	11.629	1760460	25.0
1,1'-Biphenyl, ...	12.946	13.3	ug/L	428195	3	13.556	803778	25.0
1,1'-Biphenyl, ...	14.854	52.9	ug/L	1700310	3	13.556	803778	25.0
(DEL) Alkane: S...	15.318	4.9	ug/L	157900	3	13.556	803778	25.0
(DEL) Alkane: S...	16.275	6.3	ug/L	201213	3	13.556	803778	25.0
3-Chlorobiphenyl	16.616	2.4	ug/L	75898	3	13.556	803778	25.0