LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
Data File : VD058379.D
Acq On : 24 Jun 2018 18:43
Operator : VA/AP
Sample : J3671-21
Misc : 3.78g/5ml/MSVOA D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DUP-0481-180621

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_D\METHOD\82D061918S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.217	94	101	103	rBV	1016798	2215701	6.65%	0.721%
2	1.266	103	106	128	rVB	1433151	4664191	14.00%	1.518%
3	1.552	130	135	142	rBV	155742	343467	1.03%	0.112%
4	4.820	460	467	488	rBV	1546550	4649937	13.95%	1.513%
5	5.558	535	542	547	rBV2	488309	1505912	4.52%	0.490%
6	5.657	547	552	567	rVB	678679	2116043	6.35%	0.689%
7	6.031	584	590	599	rBV	605317	1541861	4.63%	0.502%
8	6.228	599	610	616	rBV	133669	517579	1.55%	0.168%
9	6.513	632	639	646	rBV	235700	610949	1.83%	0.199%
10	6.700	653	658	673	rVB	888274	2267270	6.80%	0.738%
11	7.301	709	719	727	rBV	570235	1815875	5.45%	0.591%
12	7.911	774	781	791	rBV2	136505	392739	1.18%	0.128%
13	8.088	793	799	803	rBV	144843	434461	1.30%	0.141%
14	8.246	811	815	823	rBV2	100212	339026	1.02%	0.110%
15	8.443	831	835	844	rVB	120847	355064	1.07%	0.116%
16	8.718	853	863	871	rBV	1305210	3366351	10.10%	1.096%
17	9.220	908	914	922	rVB	156792	396215	1.19%	0.129%
18	9.762	964	969	973	rVB	154847	335888	1.01%	0.109%
19	9.919	980	985	988	rBV	186095	487600	1.46%	0.159%
20	10.047	993	998	1003	rVV	426563	1048679	3.15%	0.341%
21	10.136	1003	1007	1011	rVV	202398	495955	1.49%	0.161%
22	10.382	1028	1032	1035	rBV	193859	404847	1.21%	0.132%
23	10.451	1035	1039	1041	rVV	318879	673652	2.02%	0.219%
24	10.510	1041	1045	1051	rVB3	556185	1597552	4.79%	0.520%
25	10.658	1054	1060	1062	rBV	780631	1639744	4.92%	0.534%
26	10.746	1062	1069	1074	rVV	10724840	23511110	70.55%	7.652%
27	10.874	1079	1082	1089	rVB3	347740	865140	2.60%	0.282%
28	11.002	1089	1095	1098	rBV4	260233	883829	2.65%	0.288%
29	11.061	1098	1101	1103	rVV	849872	1484139	4.45%	0.483%
30	11.111	1103	1106	1113	rVB2	1396237	2437714	7.31%	0.793%
31	11.219	1113	1117	1121	rBV	232522	424173	1.27%	0.138%
32	11.376	1128	1133	1136	rBV2	1406547	3521916	10.57%	1.146%
33	11.416	1136	1137	1140	rVV3	686601	1154901	3.47%	0.376%
34	11.465	1140	1142	1147	rVV	1202174	2429837	7.29%	0.791%

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ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DUP-0481-180621

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Title : SW846 8260

35	11.534	1147	1149	1151	rVV	652074	1223355	3.67%	0.398%
36	11.573	1151	1153	1154	rVV	768808	1278440	3.84%	0.416%
37	11.603	1154	1156	1159	rVV	2307486	3644264	10.93%	1.186%
38	11.691	1159	1165	1172	rVV4	3020394	9125198	27.38%	2.970%
39	11.790	1172	1175	1178	rVV	850523	1498992	4.50%	0.488%
40	11.878	1178	1184	1186	rVV3	2043386	5664662	17.00%	1.844%
41	11.947	1186	1191	1193	rVV2	4216144	9169397	27.51%	2.984%
42	11.977	1193	1194	1197	rVV2	1971547	2995645	8.99%	0.975%
43	12.026	1197	1199	1201	rVV	1120926	2080539	6.24%	0.677%
44	12.065	1201	1203	1205	rVV	3006411	4778668	14.34%	1.555%
45	12.095	1205	1206	1211	rVV2	1823626	3768938	11.31%	1.227%
46	12.164	1211	1213	1215	rVV	1281199	1934743	5.81%	0.630%
47	12.223	1215	1219	1222	rVV4	1291581	3902462	11.71%	1.270%
48	12.282	1222	1225	1227	rVV	1947049	3986027	11.96%	1.297%
49	12.321	1227	1229	1231	rVV2	2718402	4856334	14.57%	1.580%
50	12.371	1231	1234	1237	rVV	5761701	9792953	29.38%	3.187%
51	12.420	1237	1239	1241	rVV2	1137164	2057749	6.17%	0.670%
52	12.479	1241	1245	1247	rVV2	2529795	5483989	16.46%	1.785%
53	12.518	1247	1249	1252	rVV2	2642360	5404930	16.22%	1.759%
54	12.577	1252	1255	1257	rVV2	3190426	7438792	22.32%	2.421%
55	12.617	1257	1259	1262	rVV2	5099489	9763861	29.30%	3.178%
56	12.666	1262	1264	1269	rVV2	2926541	6865404	20.60%	2.234%
57	12.745	1269	1272	1280	rVV5	4154487	15537550	46.62%	5.057%
58	12.843	1280	1282	1285	rVV2	5172393	9595157	28.79%	3.123%
59	12.942	1288	1292	1297	rVV3	9188861	20652357	61.97%	6.721%
60	13.001	1297	1298	1299	rVV	1544747	1509300	4.53%	0.491%
61	13.040	1299	1302	1304	rVV2	2085448	4519445	13.56%	1.471%
62	13.119	1308	1310	1311	rVV	1086107	1619883	4.86%	0.527%
63	13.148	1311	1313	1315	rVV	1192466	1927537	5.78%	0.627%
64	13.207	1315	1319	1326	rVV	14808254	33326993	100.00%	10.846%
65	13.306	1326	1329	1332	rVV2	3344260	6242694	18.73%	2.032%
66	13.355	1332	1334	1336	rVV3	1099744	1959382	5.88%	0.638%
67	13.453	1336	1344	1347	rVV4	1856214	7704189	23.12%	2.507%
68	13.503	1347	1349	1351	rVV	841998	1277695	3.83%	0.416%
69	13.542	1351	1353	1358	rVV4	2793581	5399416	16.20%	1.757%
70	13.631	1359	1362	1364	rVV2	981041	1832242	5.50%	0.596%
71	13.670	1364	1366	1370	rVV2	1945580	4693150	14.08%	1.527%

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Title : SW846 8260

72	13.729	1370	1372	1376	rVV3	1223034	3058048	9.18%	0.995%
73	13.788	1376	1378	1381	rVV2	757453	1449291	4.35%	0.472%
74	13.837	1381	1383	1385	rVV2	793285	1230674	3.69%	0.401%
75	13.877	1385	1387	1391	rVV3	413251	1004438	3.01%	0.327%
76	14.024	1399	1402	1405	rVV3	166625	400681	1.20%	0.130%
77	14.074	1405	1407	1409	rVV2	727170	974489	2.92%	0.317%
78	14.172	1413	1417	1418	rBV2	256085	439972	1.32%	0.143%
79	14.202	1418	1420	1425	rVB4	531365	942421	2.83%	0.307%
80	14.349	1431	1435	1438	rBV	965499	1315210	3.95%	0.428%
81	14.526	1450	1453	1455	rVV	370282	532953	1.60%	0.173%
82	14.566	1455	1457	1460	rVB	357989	483687	1.45%	0.157%

Sum of corrected areas: 307273513

LSC Report - Integrated Chromatogram

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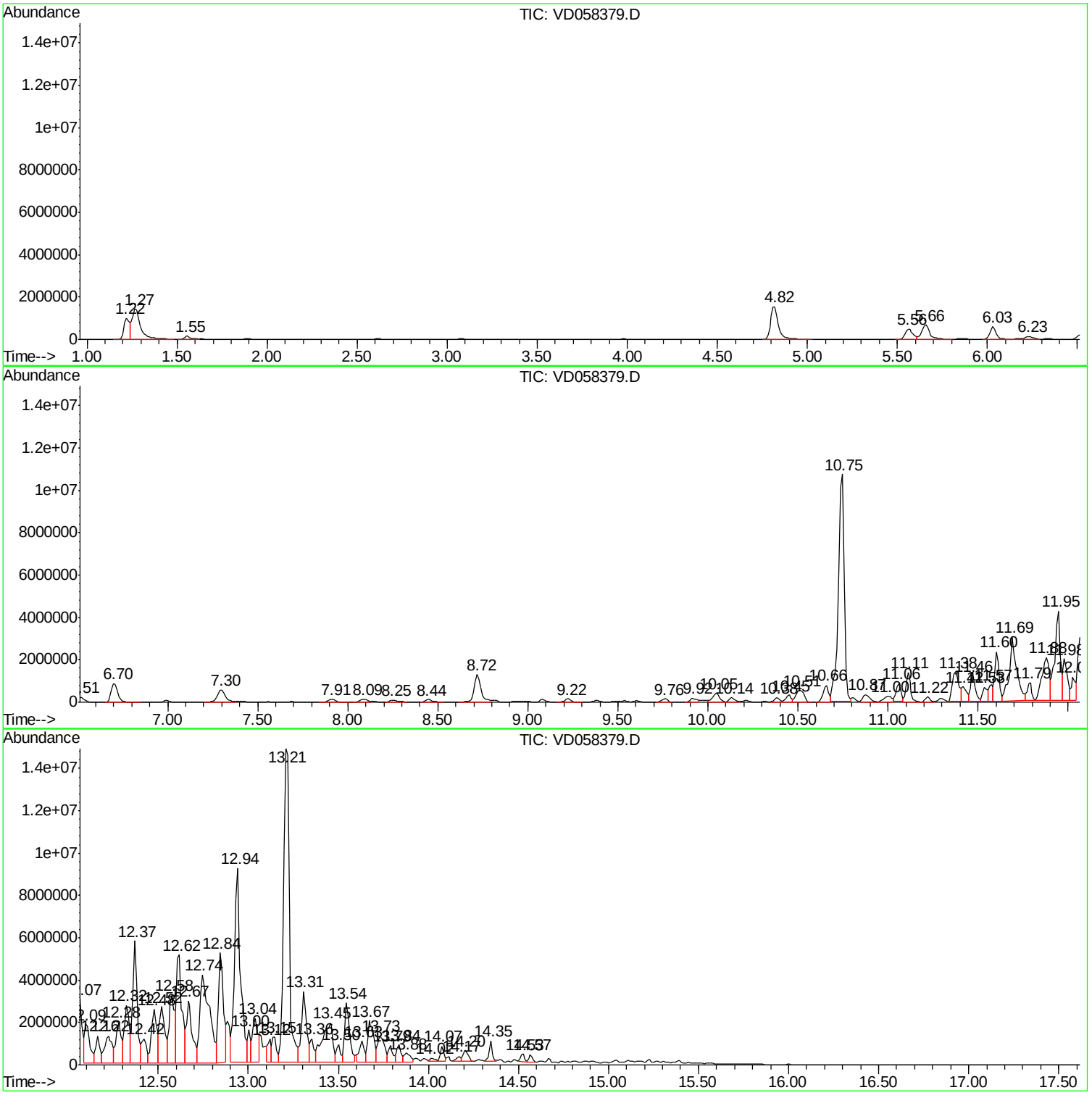
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DUP-0481-180621

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD062418\
Data File : VD058379.D
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ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_D
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Quant Title : SW846 8260

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

****

Peak Number 1 Heptane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	13.47 ug/l	610949	1,4-Difluorobenzene	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	94
2	Pyrrolidine	71	C4H9N	000123-75-1	47
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	45
4	Octane	114	C8H18	000111-65-9	40
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	36

****

Peak Number 2 Cyclohexane, propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	19.41 ug/l	9125200	Chlorobenzene-d5	10.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	70
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	70
3	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	64
4	Acetic acid, mercapto-, cyclohex...	174	C8H14O2S	016849-98-2	50
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50

****

Peak Number 3 Undecane, 5,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	13.71 ug/l	5664660	1,4-Dichlorobenzene-d4	12.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	72
2	Octane, 4-ethyl-	142	C10H22	015869-86-0	50
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	50
5	Hexyl octyl ether	214	C14H30O	017071-54-4	47

****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

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

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Misc : 3.78g/5ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : DUP-0481-180621

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	13.28 ug/l	5483990	1,4-Dichlorobenzene-d4	12.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91

****

Peak Number 5 Decane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	13.09 ug/l	5404930	1,4-Dichlorobenzene-d4	12.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	58
2	Pentadecane	212	C15H32	000629-62-9	53
3	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	53
4	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	53
5	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	49

****

Peak Number 6 Undecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	15.11 ug/l	6242690	1,4-Dichlorobenzene-d4	12.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	64
2	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59
3	1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	59
4	Decane	142	C10H22	000124-18-5	59
5	Octatriacontyl trifluoroacetate	647	C40H77F3O2	1000351-88-7	53

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Peak Number 7 unknown13.45 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	18.65 ug/l	7704190	1,4-Dichlorobenzene-d4	12.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260

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

1	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	42
2	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	41
3	4-Methylphenyl acetone	148	C10H12O	002096-86-8	38
4	Benzene, (1-ethoxyethenyl)-	148	C10H12O	006230-62-2	30
5	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	27

****

Peak Number 8 unknown13.54 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	13.07 ug/l	5399420	1,4-Dichlorobenzene-d4	12.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	46
2	o-Cymene	134	C10H14	000527-84-4	46
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	45
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	41
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	25

Tentatively Identified Compound (LSC) summary

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Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane	6.51	13.5	ug/l	610949	2	6.70	2267270	50.0
Cyclohexane, propyl-	11.69	19.4	ug/l	9125200	3	10.71	23511100	50.0
Undecane, 5,6-dim...	11.88	13.7	ug/l	5664660	4	12.92	20652400	50.0
Benzene, 1-ethyl-...	12.48	13.3	ug/l	5483990	4	12.92	20652400	50.0
Decane	12.52	13.1	ug/l	5404930	4	12.92	20652400	50.0
Undecane	13.31	15.1	ug/l	6242690	4	12.92	20652400	50.0
unknown13.45	13.45	18.6	ug/l	7704190	4	12.92	20652400	50.0
unknown13.54	13.54	13.1	ug/l	5399420	4	12.92	20652400	50.0