LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
Data File : VD058372.D
Acq On : 24 Jun 2018 15:25
Operator : VA/AP
Sample : J3671-14
Misc : 6.14g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : WP021SB481-9-11-180621

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	1.223	94	101	102	rBV	1219144	2287173	3.91%	0.271%
2	1.272	103	106	121	rVB	1762159	5334983	9.12%	0.632%
3	4.816	460	466	483	rVB2	214743	811641	1.39%	0.096%
4	5.564	532	542	547	rBV	457557	1346584	2.30%	0.160%
5	5.652	547	551	567	rVB	578955	1799095	3.08%	0.213%
6	6.027	584	589	599	rBV	394985	1113016	1.90%	0.132%
7	6.706	652	658	677	rVB	789345	2043669	3.49%	0.242%
8	7.296	709	718	727	rBV	457617	1493371	2.55%	0.177%
9	8.724	854	863	871	rBV	1057757	3057703	5.23%	0.362%
10	9.226	907	914	921	rBV	233924	628669	1.07%	0.074%
11	9.758	964	968	979	rVB2	308897	972419	1.66%	0.115%
12	9.925	979	985	992	rBV3	348253	1518134	2.60%	0.180%
13	10.043	993	997	1002	rVV2	538445	1474683	2.52%	0.175%
14	10.132	1002	1006	1011	rVV	428345	1109136	1.90%	0.131%
15	10.388	1028	1032	1035	rBV	390347	958105	1.64%	0.114%
16	10.447	1035	1038	1041	rVV	606450	1386985	2.37%	0.164%
17	10.516	1041	1045	1054	rVB	885158	2404254	4.11%	0.285%
18	10.663	1054	1060	1063	rBV	1852507	4272244	7.30%	0.506%
19	10.762	1063	1070	1074	rVV	17099544	56547316	96.67%	6.700%
20	10.870	1078	1081	1089	rVB2	1033269	2628116	4.49%	0.311%
21	11.008	1089	1095	1097	rBV5	780039	2254481	3.85%	0.267%
22	11.057	1097	1100	1103	rVB	1385859	2370876	4.05%	0.281%
23	11.116	1103	1106	1113	rVB	2163193	4628544	7.91%	0.548%
24	11.215	1113	1116	1121	rBV	492301	1074581	1.84%	0.127%
25	11.293	1121	1124	1128	rBV2	645902	1470869	2.51%	0.174%
26	11.382	1128	1133	1136	rBV3	4228151	12171959	20.81%	1.442%
27	11.470	1139	1142	1146	rVB	3360820	7582146	12.96%	0.898%
28	11.608	1153	1156	1159	rVB2	5699816	9689298	16.56%	1.148%
29	11.697	1159	1165	1172	rVB5	6262740	21201601	36.24%	2.512%
30	11.786	1172	1174	1178	rVB	2748107	4915011	8.40%	0.582%
31	11.884	1178	1184	1188	rBV	8158637	26391388	45.12%	3.127%
32	11.953	1188	1191	1193	rBV	5976134	9972551	17.05%	1.182%
33	12.032	1197	1199	1201	rBV	2143013	3555052	6.08%	0.421%
34	12.071	1201	1203	1205	rBV2	2745792	4749798	8.12%	0.563%

LSC Area Percent Report

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Misc : 6.14g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : WP021SB481-9-11-180621

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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Peak separation: 5

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

35	12.110	1205	1207	1211	rVB4	3654274	6243921	10.67%	0.740%
36	12.169	1211	1213	1215	rVB	2457783	3087940	5.28%	0.366%
37	12.238	1215	1220	1223	rBV3	3942613	11614221	19.85%	1.376%
38	12.288	1223	1225	1227	rBV	2696738	4610548	7.88%	0.546%
39	12.337	1227	1230	1232	rBV2	5443120	11632085	19.89%	1.378%
40	12.396	1232	1236	1242	rVB2	16638437	47267554	80.80%	5.601%
41	12.484	1242	1245	1247	rBV2	4363876	8421669	14.40%	0.998%
42	12.534	1247	1250	1253	rBV2	6813518	13564675	23.19%	1.607%
43	12.593	1253	1256	1258	rBV2	8490625	18740739	32.04%	2.221%
44	12.642	1258	1261	1264	rVV3	10546080	22740968	38.88%	2.695%
45	12.691	1264	1266	1270	rVB	11030227	21079720	36.04%	2.498%
46	12.760	1270	1273	1276	rBV2	13328113	31722505	54.23%	3.759%
47	12.809	1276	1278	1280	rVB2	8206223	11486674	19.64%	1.361%
48	12.868	1280	1284	1286	rBV3	10935093	22667109	38.75%	2.686%
49	12.908	1286	1288	1290	rVB3	4071441	4569722	7.81%	0.541%
50	12.957	1290	1293	1294	rBV	9878530	19420330	33.20%	2.301%
51	13.026	1298	1300	1301	rBV	7446661	9310889	15.92%	1.103%
52	13.055	1301	1303	1304	rVB2	4104545	4479416	7.66%	0.531%
53	13.085	1304	1306	1308	rVB	7947718	10442165	17.85%	1.237%
54	13.134	1308	1311	1312	rBV2	5091966	7240549	12.38%	0.858%
55	13.164	1312	1314	1316	rVB	8328038	11045921	18.88%	1.309%
56	13.223	1316	1320	1327	rBV4	14803369	49560996	84.72%	5.873%
57	13.341	1327	1332	1336	rBV3	21380742	58496467	100.00%	6.931%
58	13.420	1339	1340	1342	rBV	3108566	4944363	8.45%	0.586%
59	13.459	1342	1344	1345	rBV2	2488716	4099580	7.01%	0.486%
60	13.557	1351	1354	1360	rVV4	10796582	30936770	52.89%	3.666%
61	13.636	1360	1362	1365	rVV2	6870353	13522545	23.12%	1.602%
62	13.685	1365	1367	1371	rVV2	10014588	25514329	43.62%	3.023%
63	13.745	1371	1373	1376	rVV3	9713812	25390703	43.41%	3.009%
64	13.794	1376	1378	1382	rVV3	9209179	21716411	37.12%	2.573%
65	13.843	1382	1383	1385	rVV2	7721811	9297438	15.89%	1.102%
66	13.882	1385	1387	1391	rVB4	5375125	11542254	19.73%	1.368%
67	13.941	1391	1393	1394	rVB3	1287776	1360461	2.33%	0.161%
68	13.971	1394	1396	1400	rBV2	3234167	4145663	7.09%	0.491%
69	14.040	1400	1403	1405	rBV2	2202758	3751092	6.41%	0.444%
70	14.079	1405	1407	1410	rVV2	14643713	22711698	38.83%	2.691%
71	14.148	1412	1414	1417	rBV2	1924777	3646521	6.23%	0.432%

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ClientSampleId : WP021SB481-9-11-180621

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Title : SW846 8260

72	14.207	1417	1420	1424	rVB3	7520639	12354155	21.12%	1.464%
73	14.286	1424	1428	1430	rBV3	726850	1552962	2.65%	0.184%
74	14.345	1430	1434	1436	rBV2	3186916	5079718	8.68%	0.602%
75	14.404	1438	1440	1443	rVB3	1060160	1513556	2.59%	0.179%
76	14.483	1446	1448	1449	rBV	864815	1117970	1.91%	0.132%
77	14.532	1449	1453	1456	rBV	14010591	23805177	40.70%	2.821%
78	14.670	1465	1467	1469	rVB	555105	685992	1.17%	0.081%
79	15.261	1525	1527	1537	rVB	386630	594609	1.02%	0.070%

Sum of corrected areas: 843946201

LSC Report - Integrated Chromatogram

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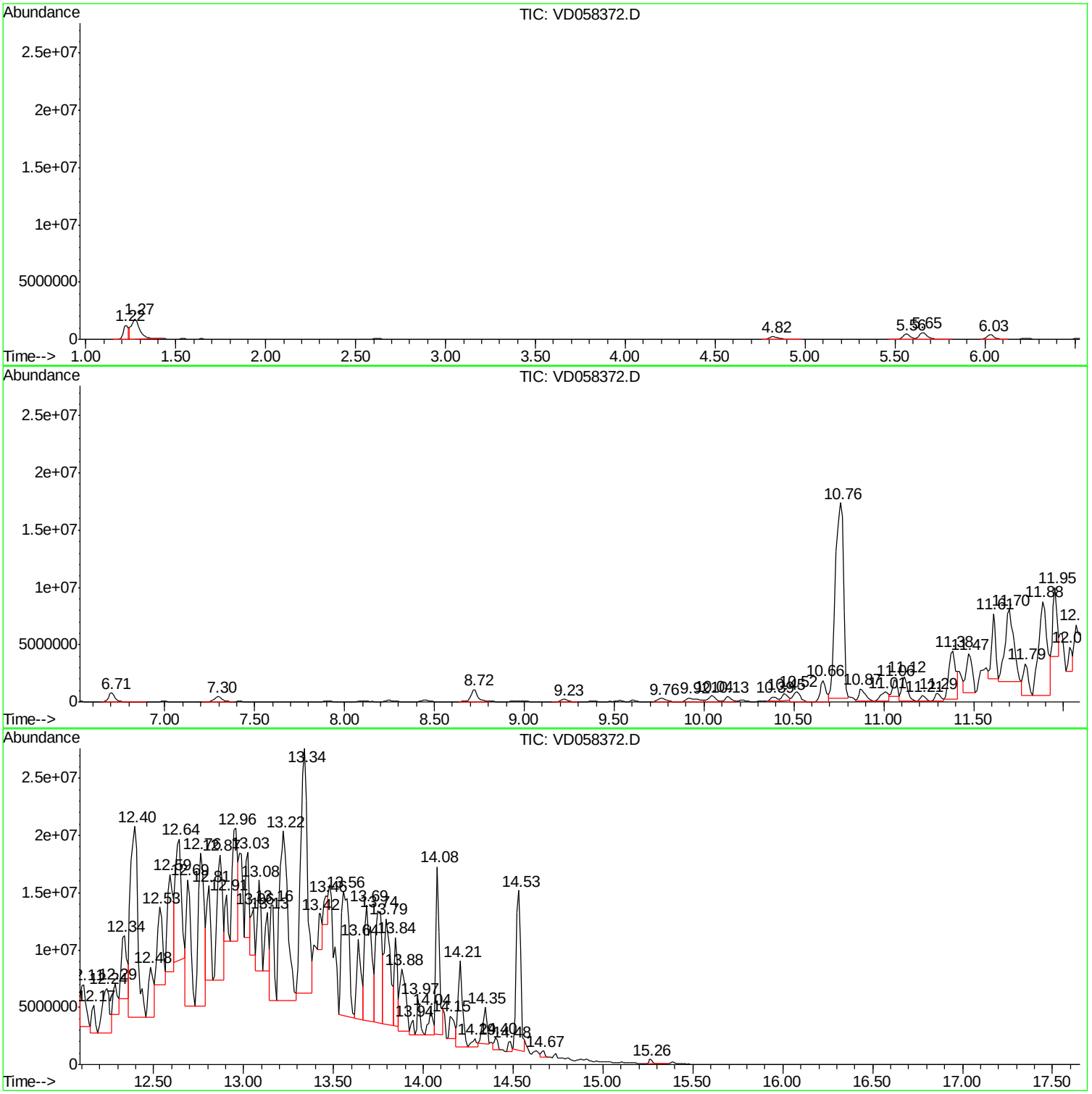
Sample : J3671-14
Misc : 6.14g/5ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
WP021SB481-9-11-180621

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 : VD058372.D
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Operator : VA/AP
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : WP021SB481-9-11-180621

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

****

Peak Number 1 Cyclohexane, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	248.13 ug/l	21201600	Chlorobenzene-d5	10.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
2	Cyclopentane, 1-methyl-2-(2-prop...	124	C9H16	050746-53-7	64
3	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	49
4	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	47
5	Acetic acid, mercapto-, cyclohex...	174	C8H14O2S	016849-98-2	47

****

Peak Number 2 Octane, 4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	288.76 ug/l	26391400	1,4-Dichlorobenzene-d4	12.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-ethyl-	142	C10H22	015869-86-0	59
2	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	50
3	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	47
4	Nonane, 2-methyl-	142	C10H22	000871-83-0	47
5	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	47

****

Peak Number 3 Decane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	517.18 ug/l	47267600	1,4-Dichlorobenzene-d4	12.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Nonane	128	C9H20	000111-84-2	72
3	Oxalic acid, monoamide, n-propyl...	341	C20H39NO3	1000309-25-8	72
4	Undecane	156	C11H24	001120-21-4	64
5	Nonane, 2-methyl-	142	C10H22	000871-83-0	64

****

Peak Number 4 Nonane, 4,5-dimethyl- Concentration Rank 10

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

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Acq On : 24 Jun 2018 15:25
Operator : VA/AP
Sample : J3671-14
Misc : 6.14g/5ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : WP021SB481-9-11-180621

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.
12.53	148.42 ug/l	13564700	1,4-Dichlorobenzene-d4	12.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	91
2	Undecane	156	C11H24	001120-21-4	80
3	Tetradecane	198	C14H30	000629-59-4	72
4	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	64
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64

****

Peak Number 5 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	640.04 ug/l	58496500	1,4-Dichlorobenzene-d4	12.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Decane, 2-methyl-	156	C11H24	006975-98-0	72
3	Nitric acid, decyl ester	203	C10H21NO3	002050-78-4	72
4	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	64
5	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	64

****

Peak Number 6 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	338.50 ug/l	30936800	1,4-Dichlorobenzene-d4	12.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	55
2	p-Cymene	134	C10H14	000099-87-6	55
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	45

****

Peak Number 7 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	279.17 ug/l	25514300	1,4-Dichlorobenzene-d4	12.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Instrument : MSVOA_D
ClientSampleId : WP021SB481-9-11-180621

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

1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2 91
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5 91
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7 70
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3 70
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7 70

****

Peak Number 8 Cyclohexane, pentyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	277.82 ug/l	25390700	1,4-Dichlorobenzene-d4	12.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	70
2	Cyclohexane, undecyl-	238	C17H34	054105-66-7	53
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	47

****

Peak Number 9 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	237.61 ug/l	21716400	1,4-Dichlorobenzene-d4	12.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91

****

Peak Number 10 unknown14.08 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	248.50 ug/l	22711700	1,4-Dichlorobenzene-d4	12.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	46
2	o-Cymene	134	C10H14	000527-84-4	38
3	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	38

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Instrument :
MSVOA_D
ClientSampleId :
WP021SB481-9-11-180621

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

4	p-Cymene	134	C10H14	000099-87-6	38
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	38

Tentatively Identified Compound (LSC) summary

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ALS Vial : 11 Sample Multiplier: 1

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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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, propyl-	11.70	248.1	ug/l	21201600	3	10.71	4272240	50.0
Octane, 4-ethyl-	11.88	288.8	ug/l	26391400	4	12.93	4569720	50.0
Decane	12.40	517.2	ug/l	47267600	4	12.93	4569720	50.0
Nonane, 4,5-dimet...	12.53	148.4	ug/l	13564700	4	12.93	4569720	50.0
Undecane	13.34	640.0	ug/l	58496500	4	12.93	4569720	50.0
o-Cymene	13.56	338.5	ug/l	30936800	4	12.93	4569720	50.0
Benzene, 1-ethyl-...	13.69	279.2	ug/l	25514300	4	12.93	4569720	50.0
Cyclohexane, pentyl-	13.74	277.8	ug/l	25390700	4	12.93	4569720	50.0
Benzene, 1,2,3,5-...	13.79	237.6	ug/l	21716400	4	12.93	4569720	50.0
unknown14.08	14.08	248.5	ug/l	22711700	4	12.93	4569720	50.0