

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059388.D
 Acq On : 2 Jul 2018 15:45
 Operator : VA/AP
 Sample : J3802-02
 Misc : 5.44g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 CF-2(15.0)

Integration Parameters: RTEINT.P

Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.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	3.029	245	253	256	rBV2	59300	187574	2.33%	0.210%
2	4.034	346	355	356	rBV2	100984	274661	3.41%	0.307%
3	4.271	374	379	388	rVB2	160629	464074	5.76%	0.519%
4	4.685	408	421	441	rBV	1461800	8059954	100.00%	9.021%
5	5.010	447	454	469	rVB2	255386	871306	10.81%	0.975%
6	5.749	519	529	531	rBV	266081	730751	9.07%	0.818%
7	5.798	531	534	537	rVV	298815	786897	9.76%	0.881%
8	5.877	537	542	550	rVB	366874	1262215	15.66%	1.413%
9	6.419	582	597	608	rBV3	834532	4199948	52.11%	4.701%
10	6.626	608	618	630	rVV3	798198	3886629	48.22%	4.350%
11	6.784	630	634	641	rVB	58922	163461	2.03%	0.183%
12	6.912	641	647	653	rBV	107828	452854	5.62%	0.507%
13	6.991	653	655	664	rVB2	64580	192718	2.39%	0.216%
14	7.287	677	685	693	rBV	1223342	3593719	44.59%	4.022%
15	7.691	720	726	732	rBV	267244	639492	7.93%	0.716%
16	7.947	748	752	758	rVB2	59480	170831	2.12%	0.191%
17	8.125	765	770	779	rBV	314890	847265	10.51%	0.948%
18	8.253	779	783	789	rBV	86499	215805	2.68%	0.242%
19	8.411	794	799	804	rVB2	91158	241853	3.00%	0.271%
20	8.578	811	816	825	rBV	190215	581277	7.21%	0.651%
21	8.746	829	833	838	rBV	62461	185795	2.31%	0.208%
22	8.963	851	855	863	rVB2	52632	156065	1.94%	0.175%
23	9.101	863	869	872	rBV2	144574	385737	4.79%	0.432%
24	9.170	872	876	879	rVV	107418	284321	3.53%	0.318%
25	9.229	879	882	886	rVB2	93383	205348	2.55%	0.230%
26	9.396	895	899	905	rVB	91522	241405	3.00%	0.270%
27	9.534	908	913	917	rVB	60413	152349	1.89%	0.171%
28	9.633	917	923	928	rBV	344555	869633	10.79%	0.973%
29	9.722	928	932	935	rVV	92938	261149	3.24%	0.292%
30	9.791	935	939	945	rVV	395725	1041453	12.92%	1.166%
31	9.899	945	950	965	rVV	340428	804244	9.98%	0.900%
32	10.096	965	970	977	rVB	309754	731645	9.08%	0.819%
33	10.352	989	996	998	rBV2	76822	221332	2.75%	0.248%
34	10.461	1003	1007	1010	rBV	214962	489907	6.08%	0.548%

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35	10.589	1016	1020	1026	rBV2	85499	237684	2.95%	0.266%
36	10.766	1033	1038	1043	rVB	231613	479512	5.95%	0.537%
37	10.875	1046	1049	1052	rBV2	57321	114793	1.42%	0.128%
38	11.131	1069	1075	1078	rBV	103560	273541	3.39%	0.306%
39	11.299	1088	1092	1096	rBV	1691324	3100974	38.47%	3.471%
40	11.348	1096	1097	1102	rVB2	90969	128025	1.59%	0.143%
41	11.437	1102	1106	1108	rBV	219507	401805	4.99%	0.450%
42	11.506	1108	1113	1116	rBV3	637018	1331226	16.52%	1.490%
43	11.634	1123	1126	1130	rVB4	68877	159006	1.97%	0.178%
44	11.772	1131	1140	1142	rBV2	407394	958858	11.90%	1.073%
45	11.801	1142	1143	1146	rVV2	371306	500085	6.20%	0.560%
46	11.851	1146	1148	1151	rVB	184992	252641	3.13%	0.283%
47	11.959	1157	1159	1161	rBV	75033	110710	1.37%	0.124%
48	12.018	1161	1165	1167	rVV4	127336	278463	3.45%	0.312%
49	12.068	1167	1170	1174	rVB	261606	431801	5.36%	0.483%
50	12.137	1174	1177	1181	rVB	1230446	1812744	22.49%	2.029%
51	12.245	1182	1188	1195	rBV	436683	891668	11.06%	0.998%
52	12.363	1195	1200	1206	rVB	1022292	2115748	26.25%	2.368%
53	12.452	1206	1209	1211	rBV2	157904	304815	3.78%	0.341%
54	12.511	1211	1215	1218	rVB	287995	488454	6.06%	0.547%
55	12.580	1218	1222	1223	rBV	1123195	1749570	21.71%	1.958%
56	12.610	1223	1225	1232	rVB2	1456357	2525176	31.33%	2.826%
57	12.728	1234	1237	1239	rVV	100397	139442	1.73%	0.156%
58	12.767	1239	1241	1247	rVV2	769338	1305702	16.20%	1.461%
59	12.866	1247	1251	1254	rVV3	219572	556760	6.91%	0.623%
60	12.915	1254	1256	1259	rVB	243542	353558	4.39%	0.396%
61	12.965	1259	1261	1265	rBV2	226506	419898	5.21%	0.470%
62	13.073	1269	1272	1274	rBV2	99936	173828	2.16%	0.195%
63	13.132	1274	1278	1282	rBV2	407442	906964	11.25%	1.015%
64	13.191	1282	1284	1285	rVV	228889	367192	4.56%	0.411%
65	13.211	1285	1286	1289	rVB	357621	372126	4.62%	0.417%
66	13.310	1293	1296	1298	rBV2	230770	352697	4.38%	0.395%
67	13.507	1311	1316	1317	rBV2	126838	323620	4.02%	0.362%
68	13.556	1318	1321	1323	rVV2	550205	795173	9.87%	0.890%
69	13.595	1323	1325	1333	rVV4	722522	1759833	21.83%	1.970%
70	13.704	1333	1336	1340	rVV	3395313	4860757	60.31%	5.441%
71	13.763	1340	1342	1345	rVV2	184211	300117	3.72%	0.336%

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72	13.812	1345	1347	1349	rVB2	131597	160242	1.99%	0.179%
73	13.871	1349	1353	1355	rBV	1797278	2916141	36.18%	3.264%
74	13.911	1355	1357	1361	rVB	437520	633104	7.85%	0.709%
75	13.980	1361	1364	1366	rBV2	687513	1015286	12.60%	1.136%
76	14.019	1366	1368	1370	rVB	160748	220898	2.74%	0.247%
77	14.118	1375	1378	1382	rBV2	152791	407868	5.06%	0.457%
78	14.197	1382	1386	1392	rBV2	1007931	2489578	30.89%	2.787%
79	14.286	1392	1395	1398	rVV2	473180	732967	9.09%	0.820%
80	14.335	1398	1400	1404	rVB4	127369	271162	3.36%	0.304%
81	14.404	1404	1407	1414	rVB4	234164	731179	9.07%	0.818%
82	14.502	1414	1417	1418	rBV	239947	347898	4.32%	0.389%
83	14.552	1418	1422	1428	rVB4	297856	1059619	13.15%	1.186%
84	14.631	1428	1430	1432	rBV2	179270	283941	3.52%	0.318%
85	14.670	1432	1434	1437	rVB3	325010	466582	5.79%	0.522%
86	14.719	1437	1439	1440	rBV2	110055	158156	1.96%	0.177%
87	14.749	1440	1442	1444	rVV2	84494	139936	1.74%	0.157%
88	14.818	1444	1449	1452	rVB3	537784	1121582	13.92%	1.255%
89	14.946	1455	1462	1467	rBV2	2224222	4449813	55.21%	4.981%
90	15.094	1474	1477	1480	rBV2	233422	489846	6.08%	0.548%
91	15.163	1481	1484	1487	rVV	1739679	2538800	31.50%	2.842%
92	15.212	1487	1489	1491	rVV2	259744	393737	4.89%	0.441%
93	15.271	1491	1495	1499	rVB5	203203	490510	6.09%	0.549%
94	15.350	1500	1503	1505	rVV2	214334	328517	4.08%	0.368%
95	15.390	1505	1507	1510	rVB2	290222	487643	6.05%	0.546%
96	15.439	1510	1512	1516	rBV3	107165	258834	3.21%	0.290%
97	15.587	1524	1527	1531	rBV2	192225	370779	4.60%	0.415%
98	15.754	1540	1544	1549	rVV	279487	575025	7.13%	0.644%
99	15.823	1549	1551	1555	rVV4	45438	115111	1.43%	0.129%
100	15.932	1559	1562	1566	rVV2	91682	200208	2.48%	0.224%

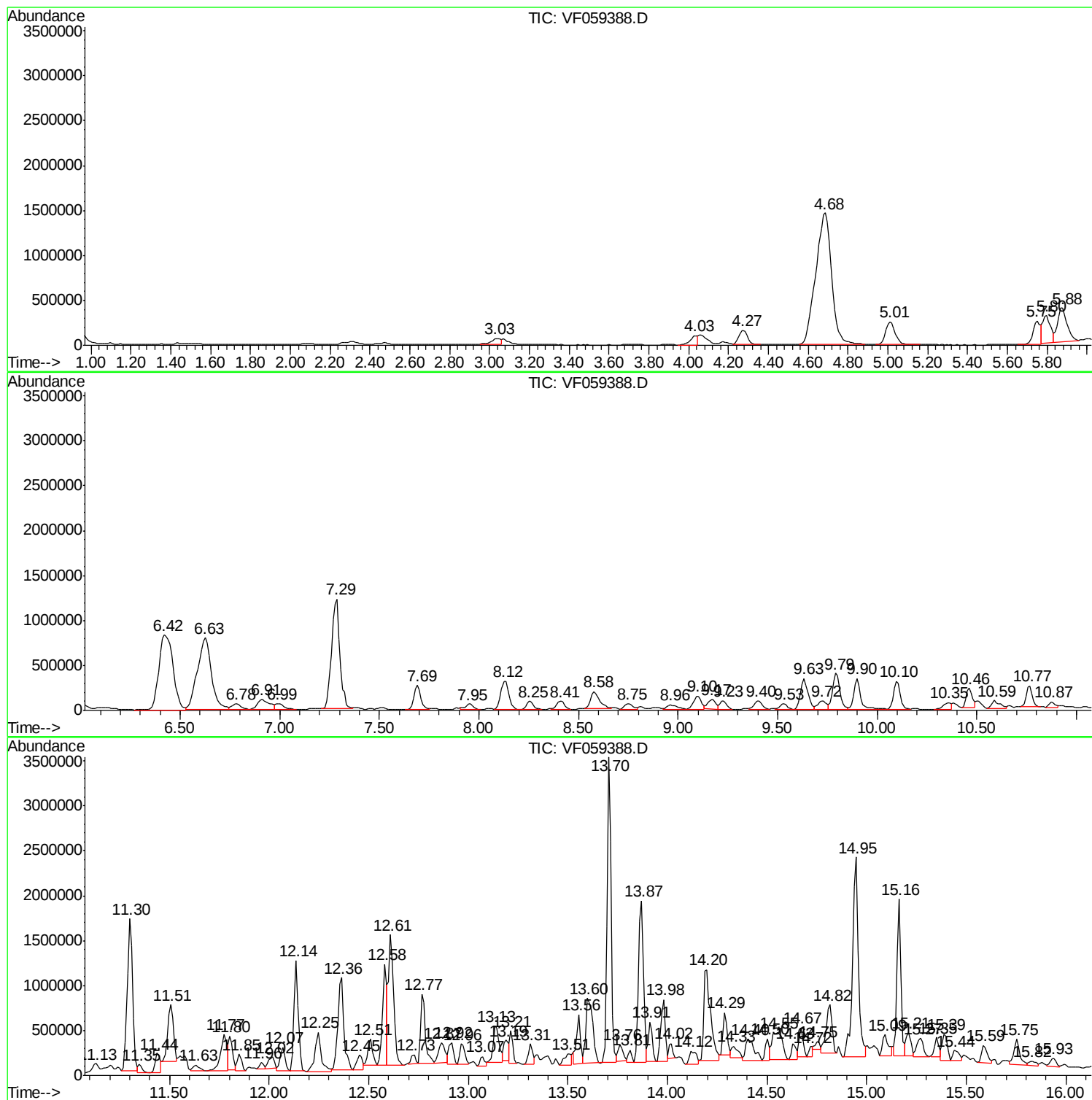
Sum of corrected areas: 89343595

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



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 Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.68	462.52 ug/l	8059950	Pentafluorobenzene	5.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1 78
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8 64
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1 53
4	1-Cyclopentyl-2,2-dimethyl-1-pro...	156	C10H20O	337966-85-5 45
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7 42

 Peak Number 2 Hexane, 2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.88	86.36 ug/l	1262220	1,4-Difluorobenzene	5.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5 59
2	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3 47
3	2-Butene, 1,4-diethoxy-	144	C8H16O2	007250-85-3 47
4	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5 47
5	Pentane, 3-ethyl-3-methyl-	114	C8H18	001067-08-9 43

 Peak Number 3 Pentane, 3-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	265.93 ug/l	3886630	1,4-Difluorobenzene	5.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7 72
2	Heptane, 4-methyl-	114	C8H18	000589-53-7 64
3	Acetoacetic acid isoamyl ester	172	C9H16O3	002308-18-1 64
4	Pyrrolidine	71	C4H9N	000123-75-1 59
5	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4 59

 Peak Number 4 Hexane, 2,2,5-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
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7.29	245.89 ug/l	3593720	1,4-Difluorobenzene	5.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9 78
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5 74
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4 72
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7 53
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2 50

 Peak Number 5 Hexane, 2,3,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.12	52.67 ug/l	847265	Chlorobenzene-d5	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0 91
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2 72
3	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3 72
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8 59
5	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7 59

 Peak Number 6 Octane, 2,2-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	64.75 ug/l	1041450	Chlorobenzene-d5	9.90
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1 72
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7 64
3	Decane, 2,2,6-trimethyl-	184	C13H28	062237-97-2 64
4	Decane, 2,2,7-trimethyl-	184	C13H28	062237-99-4 64
5	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1 59

 Peak Number 7 Octane, 2,5,6-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	61.40 ug/l	3100970	1,4-Dichlorobenzene-d4	12.62
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual

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1	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	64
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	59
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	59
5	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53

Peak Number 8 Benzene, 1,4-bis(1-methylet... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	57.74 ug/l	2916140	1,4-Dichlorobenzene-d4	12.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,4-bis(1-methylethyl)-	162	C12H18	000100-18-5	95
2			Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	91
3			Benzene, 1,2-bis(1-methylethyl)-	162	C12H18	000577-55-9	90
4			Ethanone, 1-(2,4,6-trimethylphen...	162	C11H14O	001667-01-2	76
5			Ethanone, 1-(2,4,5-trimethylphen...	162	C11H14O	002040-07-5	76

Peak Number 9 Benzene, 1,3,5-tris(1-methy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	88.11 ug/l	4449810	1,4-Dichlorobenzene-d4	12.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-tris(1-methylethyl)-	204	C15H24	000717-74-8	98
2			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	35
3			.delta.-Selinene	204	C15H24	028624-23-9	30
4			Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	25
5			Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	25

Peak Number 10 4'-tert-Butyl-2',6'-dimethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	50.27 ug/l	2538800	1,4-Dichlorobenzene-d4	12.62

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4'-tert-Butyl-2',6'-dimethylacet...	204	C14H20O	002040-10-0	81
2			Ethanone, 1-(2,4,5-triethylphenyl)-	204	C14H20O	002715-54-0	81
3			Ethanone, 1,1',1''-(1,3,5-benzen...	204	C12H12O3	000779-90-8	80

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TIC Integration Parameters: LSCINT.P

4	3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	68
5	(-)-1,2,2.alpha.,3,3,4,6,7,8,8.a...	204	C15H24	1000365-86-7	64

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF070218\
Data File : VF059388.D
Acq On : 2 Jul 2018 15:45
Operator : VA/AP
Sample : J3802-02
Misc : 5.44g/5mL/MSVOA-F/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
CF-2(15.0)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2,2,3,3-t...	4.68	462.5	ug/l	8059950	1	5.02	871306	50.0
Hexane, 2,4-dimet...	5.88	86.4	ug/l	1262220	2	5.75	730751	50.0
Pentane, 3-ethyl-...	6.63	265.9	ug/l	3886630	2	5.75	730751	50.0
Hexane, 2,2,5-tri...	7.29	245.9	ug/l	3593720	2	5.75	730751	50.0
Hexane, 2,3,5-tri...	8.12	52.7	ug/l	847265	3	9.90	804244	50.0
Octane, 2,2-dimet...	9.79	64.8	ug/l	1041450	3	9.90	804244	50.0
Octane, 2,5,6-tri...	11.30	61.4	ug/l	3100970	4	12.62	2525180	50.0
Benzene, 1,4-bis(...	13.87	57.7	ug/l	2916140	4	12.62	2525180	50.0
Benzene, 1,3,5-tr...	14.95	88.1	ug/l	4449810	4	12.62	2525180	50.0
4'-tert-Butyl-2',...	15.16	50.3	ug/l	2538800	4	12.62	2525180	50.0