LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\
Data File : VF059187.D
Acq On : 18 Jun 2018 20:34
Operator : VA/AP
Sample : J3538-01
Misc : 5.10g/5mL/MSVOA-F/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_F
ClientSampleId : SS-T-4-STONE

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_F\METHODS\82F060618S.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	1.097	55	57	60	rVB	23765	28184	2.49%	0.225%
2	2.270	173	176	178	rBV3	11113	25811	2.28%	0.206%
3	2.477	190	197	203	rVB3	19342	50863	4.50%	0.406%
4	3.098	258	260	266	rVB7	6837	18749	1.66%	0.150%
5	4.192	364	371	374	rBV3	10836	39367	3.48%	0.315%
6	4.280	374	380	391	rVB	166750	507928	44.95%	4.058%
7	4.951	445	448	449	rBV	13921	14020	1.24%	0.112%
8	5.020	449	455	467	rVB2	350266	1129984	100.00%	9.028%
9	5.759	522	530	539	rBV	329747	922048	81.60%	7.367%
10	7.701	721	727	735	rBV	389678	918069	81.25%	7.335%
11	8.342	784	792	798	rBV2	15135	42058	3.72%	0.336%
12	8.913	847	850	855	rVV7	4031	13418	1.19%	0.107%
13	9.613	916	921	926	rBV8	7066	20703	1.83%	0.165%
14	9.909	946	951	958	rVV	426573	940994	83.27%	7.518%
15	10.382	997	999	1002	rVB3	17140	16859	1.49%	0.135%
16	10.776	1036	1039	1042	rBV5	8740	25928	2.29%	0.207%
17	10.954	1053	1057	1062	rVB3	27226	58072	5.14%	0.464%
18	11.319	1091	1094	1095	rBV2	15524	25775	2.28%	0.206%
19	11.506	1109	1113	1118	rBV	401344	643935	56.99%	5.145%
20	11.644	1123	1127	1130	rBV	38560	82463	7.30%	0.659%
21	11.742	1134	1137	1139	rVB3	16851	25543	2.26%	0.204%
22	12.225	1172	1186	1198	rBV3	94102	829656	73.42%	6.628%
23	12.501	1213	1214	1216	rBV2	33100	43364	3.84%	0.346%
24	12.630	1223	1227	1233	rBV	512331	783860	69.37%	6.262%
25	13.231	1276	1288	1296	rVB4	127929	774918	68.58%	6.191%
26	13.458	1305	1311	1319	rVB3	102715	453647	40.15%	3.624%
27	13.596	1320	1325	1328	rVV2	64969	204488	18.10%	1.634%
28	13.684	1329	1334	1341	rVV3	98474	412959	36.55%	3.299%
29	13.773	1341	1343	1348	rVB4	56128	105421	9.33%	0.842%
30	13.872	1349	1353	1354	rBV4	29057	64957	5.75%	0.519%
31	14.000	1362	1366	1371	rBV	64723	182938	16.19%	1.462%
32	14.088	1371	1375	1380	rBV2	60756	191684	16.96%	1.531%
33	14.276	1392	1394	1397	rVB	29877	40378	3.57%	0.323%
34	14.364	1397	1403	1411	rVB2	216656	698927	61.85%	5.584%

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35	14.493	1412	1416	1417	rBV3	35003	64904	5.74%	0.519%
36	14.581	1420	1425	1430	rVB8	46933	138173	12.23%	1.104%
37	14.670	1430	1434	1435	rBV4	16461	33752	2.99%	0.270%
38	14.798	1444	1447	1450	rVB	112471	208152	18.42%	1.663%
39	14.946	1456	1462	1465	rBV4	51324	164566	14.56%	1.315%
40	15.064	1470	1474	1479	rBV4	136130	331817	29.36%	2.651%
41	15.173	1482	1485	1487	rBV3	50876	95841	8.48%	0.766%
42	15.232	1487	1491	1497	rVB3	156378	369868	32.73%	2.955%
43	15.340	1497	1502	1505	rBV5	50195	130059	11.51%	1.039%
44	15.399	1505	1508	1511	rVV5	30953	63277	5.60%	0.506%
45	15.557	1522	1524	1526	rBV3	18435	34264	3.03%	0.274%
46	15.626	1529	1531	1533	rVV	118813	155594	13.77%	1.243%
47	15.666	1533	1535	1537	rVV3	30456	49508	4.38%	0.396%
48	15.715	1537	1540	1544	rVB2	52606	113402	10.04%	0.906%
49	15.774	1544	1546	1549	rBV4	22008	37229	3.29%	0.297%
50	15.882	1554	1557	1561	rBV6	35464	94907	8.40%	0.758%
51	16.011	1566	1570	1574	rBV6	35596	93448	8.27%	0.747%

Sum of corrected areas: 12516729

LSC Report - Integrated Chromatogram

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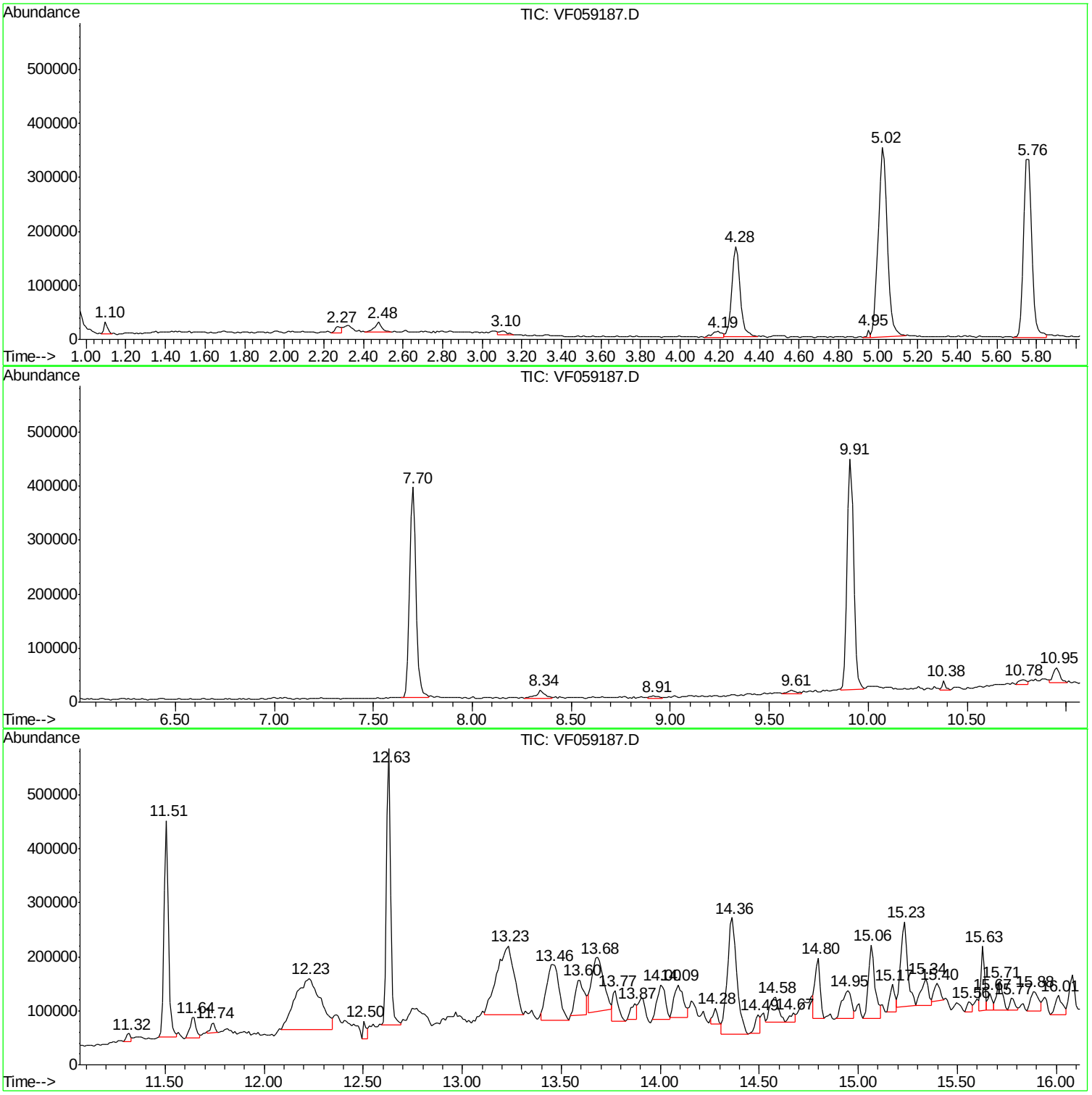
Instrument :
MSVOA_F
ClientSampleId :
SS-T-4-STONE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260

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



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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Naphthalene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	52.92 ug/l	829656	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	90

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Peak Number 2 Naphthalene, 2-(1-methyleth... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	28.94 ug/l	453647	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	95
2	4a,8a-Methanonaphthalene, 9,9-di...	170	C13H14	038963-97-2	86
3	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	74
4	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	64
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64

****

Peak Number 3 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	13.04 ug/l	204488	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
2	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91

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Peak Number 4 1-Isopropenylnaphthalene Concentration Rank 5

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

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Instrument : MSVOA_F
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.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.
13.68	26.34 ug/l	412959	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	51
2	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	47
3	1-Cyclohexene-1-ethanol, 2,6,6-t...	168	C11H20O	000472-65-1	35
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	35
5	cis-1,2-Cyclohexanedicarboxamide	170	C8H14N2O2	070925-10-9	27

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Peak Number 5 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	12.23 ug/l	191684	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91

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Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	44.58 ug/l	698927	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	89

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Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	13.28 ug/l	208152	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Instrument : MSVOA_F
ClientSampleId : SS-T-4-STONE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260

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

1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	60
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	60

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Peak Number 8 unknown15.06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	21.17 ug/l	331817	1,4-Dichlorobenzene-d4	12.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	30
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	27
3	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	27
4	Hexadecane	226	C16H34	000544-76-3	27
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	27

Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1,3-...	12.23	52.9	ug/l	829656	4	12.63	783860	50.0
Naphthalene, 2-(1...	13.46	28.9	ug/l	453647	4	12.63	783860	50.0
Naphthalene, 1,4,...	13.60	13.0	ug/l	204488	4	12.63	783860	50.0
1-Isopropenylnaph...	13.68	26.3	ug/l	412959	4	12.63	783860	50.0
Naphthalene, 1,6,...	14.09	12.2	ug/l	191684	4	12.63	783860	50.0
Naphthalene, 2,3,...	14.36	44.6	ug/l	698927	4	12.63	783860	50.0
1H-Indene, 2,3-di...	14.80	13.3	ug/l	208152	4	12.63	783860	50.0
unknown15.06	15.06	21.2	ug/l	331817	4	12.63	783860	50.0