

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003958.D
 Acq On : 16 Jul 2018 18:24
 Operator : VA/AP
 Sample : J3975-01
 Misc : 4.51G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 PAR-5

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_W\METHOD\82W071618S.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	1.800	27	35	55	rVB	853015	2009840	20.77%	1.200%
2	4.123	404	416	427	rBV	37684	105325	1.09%	0.063%
3	7.171	903	916	929	rBV2	38857	125855	1.30%	0.075%
4	7.884	1021	1033	1037	rBV	129765	315983	3.27%	0.189%
5	7.945	1038	1043	1051	rVB	228976	533604	5.51%	0.318%
6	8.153	1069	1077	1085	rBV	76251	172175	1.78%	0.103%
7	8.317	1094	1104	1114	rVB3	316606	800349	8.27%	0.478%
8	8.482	1114	1131	1142	rBV	188434	616048	6.37%	0.368%
9	8.842	1181	1190	1201	rBV	331482	670237	6.93%	0.400%
10	9.335	1256	1271	1276	rBV	247580	584545	6.04%	0.349%
11	9.384	1276	1279	1288	rVB	76534	146470	1.51%	0.087%
12	9.762	1334	1341	1353	rBV2	132879	305450	3.16%	0.182%
13	9.902	1353	1364	1369	rBV	199014	426107	4.40%	0.254%
14	9.963	1369	1374	1377	rBV	77008	137477	1.42%	0.082%
15	10.097	1386	1396	1410	rBV	151429	397212	4.11%	0.237%
16	10.256	1416	1422	1427	rVB	94056	170748	1.76%	0.102%
17	10.323	1427	1433	1438	rBV	549785	1028919	10.63%	0.614%
18	10.390	1438	1444	1451	rVB	1796514	3171462	32.78%	1.893%
19	10.506	1456	1463	1471	rVB7	88380	232970	2.41%	0.139%
20	10.671	1485	1490	1498	rVB	80650	154790	1.60%	0.092%
21	10.768	1498	1506	1510	rBV5	77992	197938	2.05%	0.118%
22	10.847	1515	1519	1525	rVB	134721	229861	2.38%	0.137%
23	10.939	1525	1534	1540	rBV	301296	537891	5.56%	0.321%
24	11.042	1540	1551	1559	rBV2	294270	648658	6.70%	0.387%
25	11.116	1559	1563	1567	rBV3	93387	153243	1.58%	0.091%
26	11.183	1569	1574	1578	rBV	174905	260253	2.69%	0.155%
27	11.237	1578	1583	1588	rVB	323269	557959	5.77%	0.333%
28	11.286	1588	1591	1595	rVB2	69661	100452	1.04%	0.060%
29	11.341	1595	1600	1604	rBV	390361	639343	6.61%	0.382%
30	11.408	1604	1611	1615	rBV3	320119	721274	7.45%	0.430%
31	11.518	1623	1629	1639	rBV	638543	1113116	11.50%	0.664%
32	11.634	1639	1648	1656	rBV2	371529	878218	9.08%	0.524%
33	11.737	1660	1665	1668	rBV	320454	451791	4.67%	0.270%
34	11.841	1673	1682	1686	rBV	1535960	3300350	34.11%	1.970%

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35	11.878	1686	1688	1692	rVB	670674	804038	8.31%	0.480%
36	11.920	1692	1695	1700	rVB2	542599	881360	9.11%	0.526%
37	11.981	1700	1705	1707	rBV2	150423	253602	2.62%	0.151%
38	12.067	1714	1719	1724	rVB2	549633	976711	10.09%	0.583%
39	12.146	1724	1732	1734	rBV3	1729509	3485218	36.02%	2.080%
40	12.262	1743	1751	1755	rVB	2809465	4668396	48.25%	2.786%
41	12.341	1755	1764	1765	rBV3	1424585	2864016	29.60%	1.709%
42	12.371	1765	1769	1777	rVV2	2103525	5153751	53.26%	3.076%
43	12.512	1780	1792	1801	rVB5	1525961	4235520	43.77%	2.528%
44	12.597	1802	1806	1809	rBV	928679	1366889	14.13%	0.816%
45	12.713	1818	1825	1829	rBV5	887952	2128751	22.00%	1.271%
46	12.786	1829	1837	1844	rVB7	2184002	6201002	64.09%	3.701%
47	12.871	1844	1851	1855	rBV3	1795690	3895875	40.26%	2.325%
48	12.951	1855	1864	1869	rBV4	4031378	9676101	100.00%	5.775%
49	12.999	1869	1872	1878	rVB3	1852899	2917420	30.15%	1.741%
50	13.091	1882	1887	1890	rBV2	1413871	2403666	24.84%	1.435%
51	13.133	1890	1894	1897	rBV4	944607	1509995	15.61%	0.901%
52	13.176	1897	1901	1904	rBV	2329109	3535279	36.54%	2.110%
53	13.262	1912	1915	1918	rVB	1214165	1626858	16.81%	0.971%
54	13.304	1918	1922	1927	rBV	1673486	2401525	24.82%	1.433%
55	13.353	1927	1930	1933	rBV2	894544	1154558	11.93%	0.689%
56	13.390	1933	1936	1937	rVV2	562666	563480	5.82%	0.336%
57	13.420	1937	1941	1944	rVV	2394201	4193905	43.34%	2.503%
58	13.457	1944	1947	1951	rVV2	3208614	4961904	51.28%	2.961%
59	13.499	1951	1954	1957	rVB2	1098073	1448434	14.97%	0.864%
60	13.609	1967	1972	1982	rVB2	3520784	9384261	96.98%	5.601%
61	13.707	1983	1988	1993	rBV5	798153	1883963	19.47%	1.124%
62	13.774	1993	1999	2007	rVB5	1091619	3387574	35.01%	2.022%
63	13.883	2012	2017	2022	rBV	4914006	8193516	84.68%	4.890%
64	13.932	2022	2025	2028	rVV	814248	1159201	11.98%	0.692%
65	13.993	2032	2035	2038	rVV3	455185	568403	5.87%	0.339%
66	14.103	2050	2053	2058	rVB	1034171	1463208	15.12%	0.873%
67	14.213	2066	2071	2076	rBV4	1210714	2160161	22.32%	1.289%
68	14.274	2076	2081	2087	rBV5	907531	1768630	18.28%	1.056%
69	14.359	2088	2095	2097	rBV5	571218	1307077	13.51%	0.780%
70	14.402	2097	2102	2105	rBV2	1809105	2815543	29.10%	1.680%
71	14.511	2116	2120	2124	rBV2	1252697	2058193	21.27%	1.228%

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72	14.560	2124	2128	2133	rVB5	1043095	1800932	18.61%	1.075%
73	14.737	2153	2157	2162	rVB2	1733991	2465912	25.48%	1.472%
74	14.804	2163	2168	2173	rVV3	1195482	2597930	26.85%	1.551%
75	14.853	2173	2176	2184	rVB2	1680371	3215804	33.23%	1.919%
76	15.078	2209	2213	2219	rVB3	575225	959546	9.92%	0.573%
77	15.139	2220	2223	2226	rBV3	218051	351980	3.64%	0.210%
78	15.182	2227	2230	2235	rVB5	328204	563709	5.83%	0.336%
79	15.267	2240	2244	2251	rVB5	673712	1574851	16.28%	0.940%
80	15.340	2251	2256	2260	rBV	1738328	3106770	32.11%	1.854%
81	15.572	2289	2294	2302	rVB2	1197722	2256330	23.32%	1.347%
82	15.676	2303	2311	2317	rBV6	479851	1456986	15.06%	0.870%
83	15.749	2319	2323	2330	rVB6	561027	1024665	10.59%	0.612%
84	15.968	2355	2359	2363	rVB	321652	532192	5.50%	0.318%
85	16.170	2387	2392	2399	rBV5	221779	681345	7.04%	0.407%
86	16.237	2399	2403	2409	rVV4	294220	568554	5.88%	0.339%
87	16.304	2410	2414	2423	rVB	705637	1325155	13.70%	0.791%
88	16.456	2433	2439	2445	rBV	1482370	2972932	30.72%	1.774%
89	16.517	2445	2449	2454	rVB	470354	767240	7.93%	0.458%
90	16.663	2464	2473	2485	rVB	3247659	7973401	82.40%	4.759%

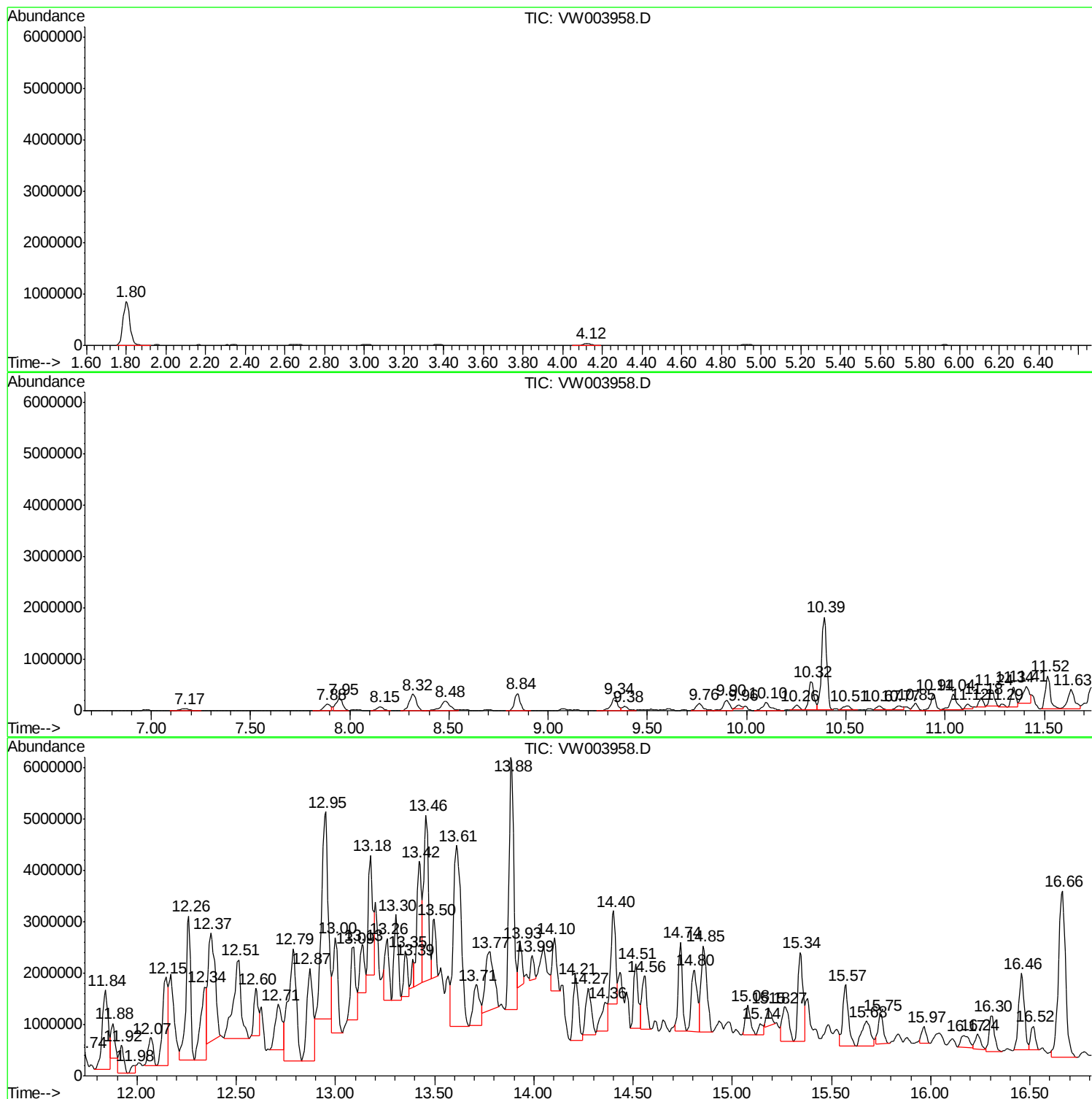
Sum of corrected areas: 167550131

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TIC Library : C:\DATABASE\NIST11.L
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 Peak Number 1 Butane, 2,2,3,3-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.48	45.96 ug/l	616048	1,4-Difluorobenzene	8.84	
Hit# of	5	Tentative ID	MW MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	59

 Peak Number 2 Octane, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.41	41.06 ug/l	721274	Chlorobenzene-d5	11.63	
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual	
1	Octane, 4-methyl-	128	C9H20	002216-34-4	64
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
3	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	53
4	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	50
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47

 Peak Number 3 Octane, 3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.52	63.37 ug/l	1113120	Chlorobenzene-d5	11.63	
Hit# of	5	Tentative ID	MW MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	64
4	Heptane, 4-propyl-	142	C10H22	003178-29-8	64
5	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59

 Peak Number 4 Cyclohexane, 1-ethyl-4-meth... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
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11.92	50.18 ug/l	881360	Chlorobenzene-d5	11.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	006236-88-0 86
2		Cyclohexane, 1-ethyl-4-methyl-, ...	126 C9H18	004926-78-7 86
3		cis-1-Ethyl-3-methyl-cyclohexane	126 C9H18	019489-10-2 83
4		1-Ethyl-3-methylcyclohexane (c,t)	126 C9H18	003728-55-0 83
5		1-Ethyl-4-methylcyclohexane	126 C9H18	003728-56-1 80

 Peak Number 5 Hexane, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	55.61 ug/l	976711	Chlorobenzene-d5	11.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Hexane, 2,4-dimethyl-	114 C8H18	000589-43-5 72
2		Oxalic acid, butyl isohexyl ester	230 C12H22O4	1000309-32-7 64
3		Heptane, 2,4,6-trimethyl-	142 C10H22	002613-61-8 52
4		Pentane, 2,2-dimethyl-	100 C7H16	000590-35-2 50
5		2,2-Dimethyl-3-heptanone	142 C9H18O	019078-97-8 49

 Peak Number 6 Octane, 3,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	265.79 ug/l	4668400	Chlorobenzene-d5	11.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Octane, 3,6-dimethyl-	142 C10H22	015869-94-0 91
2		Nonane, 3-methyl-	142 C10H22	005911-04-6 91
3		Octane, 2,6-dimethyl-	142 C10H22	002051-30-1 90
4		Sulfurous acid, 2-ethylhexyl hex...	418 C24H50O3S	1000309-19-9 72
5		Undecane, 6,6-dimethyl-	184 C13H28	017312-76-4 64

 Peak Number 7 unknown12.34 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	163.06 ug/l	2864020	Chlorobenzene-d5	11.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual

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1	Nonane, 3-methyl-	142	C10H22	005911-04-6	35
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	30
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	27
4	Heptanoic acid, 5-hexen-1-yl ester	212	C13H24O2	1000160-10-8	27
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	25

Peak Number 8 Heptane, 3-ethyl-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	293.42 ug/l	5153750	Chlorobenzene-d5	11.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	58
2			Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	53
3			1,3,2-Dioxaborolane, 4,4-dimethy...	142	C6H11B03	1000063-89-2	50
4			Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	46
5			1-Propene, 1,1'-oxybis-, (Z,Z)-	98	C6H10O	004696-27-9	42

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	42.48 ug/l	7973400	1,4-Dichlorobenzene-d4	13.57

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			Benzocycloheptatriene	142	C11H10	000264-09-5	91
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87

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TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2,2,3,3-t...	8.48	46.0	ug/l	616048	2	8.84	670237	50.0
Octane, 4-methyl-	11.41	41.1	ug/l	721274	3	11.63	878218	50.0
Octane, 3-methyl-	11.52	63.4	ug/l	1113120	3	11.63	878218	50.0
Cyclohexane, 1-et...	11.92	50.2	ug/l	881360	3	11.63	878218	50.0
Hexane, 2,4-dimet...	12.07	55.6	ug/l	976711	3	11.63	878218	50.0
Octane, 3,6-dimet...	12.26	265.8	ug/l	4668400	3	11.63	878218	50.0
unknown12.34	12.34	163.1	ug/l	2864020	3	11.63	878218	50.0
Heptane, 3-ethyl-...	12.37	293.4	ug/l	5153750	3	11.63	878218	50.0
Naphthalene, 1-me...	16.66	42.5	ug/l	7973400	4	13.57	9384260	50.0