

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031722\
 Data File : VD072244.D
 Acq On : 17 Mar 2022 14:45
 Operator : VA/SY
 Sample : VD0317SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0317SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/18/2022
 Supervised By : Mahesh Dadoda 03/18/2022

Quant Time: Mar 18 04:30:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	388726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	643787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	610646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	305600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	239540	55.294	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.580%	
35) Dibromofluoromethane	7.909	113	236431	52.188	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.380%	
50) Toluene-d8	10.338	98	856092	51.680	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.620	95	323515	50.262	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.520%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	63570	17.681	ug/l	96
3) Chloromethane	2.209	50	59753	18.702	ug/l	97
4) Vinyl Chloride	2.350	62	57118	18.521	ug/l	98
5) Bromomethane	2.756	94	38346	19.094	ug/l	98
6) Chloroethane	2.915	64	40041	19.637	ug/l	99
7) Trichlorofluoromethane	3.273	101	125801	18.063	ug/l	98
8) Diethyl Ether	3.715	74	40265	20.933	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	86091	19.386	ug/l	98
10) Methyl Iodide	4.297	142	49548	14.126	ug/l	97
11) Tert butyl alcohol	5.232	59	29366	116.911	ug/l #	85
12) 1,1-Dichloroethene	4.062	96	63374	17.739	ug/l	92
13) Acrolein	3.921	56	23811	106.235	ug/l	98
14) Allyl chloride	4.715	41	121327	19.423	ug/l	94
15) Acrylonitrile	5.409	53	112363	115.770	ug/l	97
16) Acetone	4.156	43	86587	92.056	ug/l	99
17) Carbon Disulfide	4.409	76	105835	13.821	ug/l	96
18) Methyl Acetate	4.720	43	62713	27.207	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	212414	21.875	ug/l	98
20) Methylene Chloride	4.962	84	112223	20.288	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	72814	18.427	ug/l	88
22) Diisopropyl ether	6.362	45	310416	21.787	ug/l	94
23) Vinyl Acetate	6.303	43	751907	103.407	ug/l	97
24) 1,1-Dichloroethane	6.267	63	169175	20.134	ug/l	99
25) 2-Butanone	7.209	43	139772	111.452	ug/l	100
26) 2,2-Dichloropropane	7.209	77	142685	18.820	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	99643	19.751	ug/l	94
28) Bromochloromethane	7.544	49	69903	20.665	ug/l	87
29) Tetrahydrofuran	7.561	42	87644	118.851	ug/l	97
30) Chloroform	7.703	83	186648	20.851	ug/l	98
31) Cyclohexane	7.985	56	118002	17.435	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	153926	19.361	ug/l	98
36) 1,1-Dichloropropene	8.109	75	112969	17.775	ug/l	98
37) Ethyl Acetate	7.285	43	62230	22.353	ug/l	97
38) Carbon Tetrachloride	8.091	117	129771	17.963	ug/l	97
39) Methylcyclohexane	9.350	83	118667	16.593	ug/l	95
40) Benzene	8.350	78	337936	18.638	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	37131	22.883	ug/l #	86
42) 1,2-Dichloroethane	8.420	62	109037	19.824	ug/l	95
43) Isopropyl Acetate	8.450	43	120129	22.231	ug/l	96
44) Trichloroethene	9.108	130	90497	17.779	ug/l	100
45) 1,2-Dichloropropane	9.385	63	99427	19.995	ug/l	95
46) Dibromomethane	9.467	93	51073	20.880	ug/l	96
47) Bromodichloromethane	9.656	83	143136	20.073	ug/l	95
48) Methyl methacrylate	9.450	41	58030	22.491	ug/l	95
49) 1,4-Dioxane	9.450	88	13804	470.605	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	332672	117.217	ug/l	96
52) Toluene	10.397	92	222857	18.679	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	126699	19.447	ug/l	93
54) cis-1,3-Dichloropropene	10.085	75	150107	19.931	ug/l	89
55) 1,1,2-Trichloroethane	10.797	97	80023	21.476	ug/l	97
56) Ethyl methacrylate	10.655	69	94384	21.626	ug/l	90
57) 1,3-Dichloropropane	10.938	76	130372	20.847	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	208916	106.460	ug/l	96
59) 2-Hexanone	10.979	43	220672	112.577	ug/l	96
60) Dibromochloromethane	11.132	129	97777	20.222	ug/l	99
61) 1,2-Dibromoethane	11.238	107	69478	20.635	ug/l	99
64) Tetrachloroethene	10.867	164	74914	17.412	ug/l	96
65) Chlorobenzene	11.661	112	261791	19.338	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.738	131	104476	19.516	ug/l	99
67) Ethyl Benzene	11.738	91	435994	18.032	ug/l	98
68) m/p-Xylenes	11.850	106	337158	36.723	ug/l	100
69) o-Xylene	12.173	106	162925	18.552	ug/l	98
70) Styrene	12.185	104	296154	19.312	ug/l	98
71) Bromoform	12.349	173	58906	20.599	ug/l #	97
73) Isopropylbenzene	12.473	105	461893	19.073	ug/l	100
74) N-amyl acetate	12.279	43	116534	22.392	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	95964	22.156	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	62300m	18.481	ug/l	
77) Bromobenzene	12.749	156	106926	19.617	ug/l	96
78) n-propylbenzene	12.814	91	560246	19.046	ug/l	99
79) 2-Chlorotoluene	12.897	91	329572	19.376	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	407607	19.592	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	28248	20.791	ug/l	95
82) 4-Chlorotoluene	12.996	91	346084	19.651	ug/l	99
83) tert-Butylbenzene	13.214	119	352337	19.317	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	401794	19.600	ug/l	99
85) sec-Butylbenzene	13.391	105	522038	19.058	ug/l	98
86) p-Isopropyltoluene	13.502	119	436114	19.348	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	219758	19.237	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	223961	19.771	ug/l	99
89) n-Butylbenzene	13.832	91	412513	19.201	ug/l	99
90) Hexachloroethane	14.096	117	83677	18.941	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	198467	19.927	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	15172	21.949	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	127986	19.410	ug/l	98
94) Hexachlorobutadiene	15.249	225	70164	18.292	ug/l	98
95) Naphthalene	15.385	128	234668	20.645	ug/l	98
96) 1,2,3-Trichlorobenzene	15.579	180	114441	20.050	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

