

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072157.D
 Acq On : 11 Mar 2022 18:31
 Operator : VA/SY
 Sample : VD0311SBSD01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0311SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

Quant Time: Mar 14 04:01:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 03:10:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	389258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	630883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	592992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	304290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	224058	51.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.300%			
35) Dibromofluoromethane	7.909	113	221399	49.869	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.740%			
50) Toluene-d8	10.332	98	814455	50.172	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.620	95	303207	48.071	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	58829	16.340	ug/l	95
3) Chloromethane	2.209	50	49222	15.385	ug/l	99
4) Vinyl Chloride	2.350	62	48046	15.558	ug/l	96
5) Bromomethane	2.756	94	32463	16.143	ug/l	94
6) Chloroethane	2.915	64	33340	16.329	ug/l	92
7) Trichlorofluoromethane	3.273	101	113421	16.263	ug/l	98
8) Diethyl Ether	3.709	74	34411	17.865	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	73838	16.604	ug/l	95
10) Methyl Iodide	4.303	142	54093	15.200	ug/l	98
11) Tert butyl alcohol	5.226	59	24160	96.054	ug/l	98
12) 1,1-Dichloroethene	4.068	96	55642	15.553	ug/l	98
13) Acrolein	3.920	56	23096	102.904	ug/l	99
14) Allyl chloride	4.715	41	102832	16.440	ug/l	94
15) Acrylonitrile	5.420	53	92623	95.301	ug/l	97
16) Acetone	4.162	43	72550	77.027	ug/l	93
17) Carbon Disulfide	4.403	76	94785	12.519	ug/l	98
18) Methyl Acetate	4.715	43	48848	21.163	ug/l #	87
19) Methyl tert-butyl Ether	5.473	73	183468	18.868	ug/l	97
20) Methylene Chloride	4.962	84	98423	16.853	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	62329	15.752	ug/l	91
22) Diisopropyl ether	6.362	45	267293	18.735	ug/l	96
23) Vinyl Acetate	6.303	43	642708	88.269	ug/l	98
24) 1,1-Dichloroethane	6.262	63	149321	17.746	ug/l	98
25) 2-Butanone	7.209	43	111431	88.732	ug/l	93
26) 2,2-Dichloropropane	7.203	77	130093	17.136	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	88843	17.586	ug/l	93
28) Bromochloromethane	7.544	49	62370	18.413	ug/l	84
29) Tetrahydrofuran	7.567	42	67710	91.693	ug/l	94
30) Chloroform	7.708	83	167780	18.717	ug/l	94
31) Cyclohexane	7.985	56	101555	14.984	ug/l #	85
32) 1,1,1-Trichloroethane	7.897	97	136199	17.108	ug/l	97
36) 1,1-Dichloropropene	8.108	75	97327	15.627	ug/l	97
37) Ethyl Acetate	7.291	43	50267	18.425	ug/l #	95
38) Carbon Tetrachloride	8.091	117	114989	16.242	ug/l	98
39) Methylcyclohexane	9.355	83	101630	14.501	ug/l	94
40) Benzene	8.350	78	297404	16.738	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	28952	18.207	ug/l #	87
42) 1,2-Dichloroethane	8.420	62	98051	18.191	ug/l	98
43) Isopropyl Acetate	8.444	43	95802	18.092	ug/l	95
44) Trichloroethene	9.108	130	81571	16.353	ug/l	96
45) 1,2-Dichloropropane	9.385	63	87474	17.951	ug/l	98
46) Dibromomethane	9.473	93	42601	17.772	ug/l	91
47) Bromodichloromethane	9.655	83	128009	18.319	ug/l	100
48) Methyl methacrylate	9.455	41	46052	18.214	ug/l	91
49) 1,4-Dioxane	9.461	88	10431	362.886	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	260976	93.836	ug/l	95
52) Toluene	10.397	92	197084	16.856	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	115735	18.128	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	129951	17.607	ug/l	91
55) 1,1,2-Trichloroethane	10.791	97	69164	18.941	ug/l	97
56) Ethyl methacrylate	10.655	69	76801	17.957	ug/l	90
57) 1,3-Dichloropropane	10.938	76	113391	18.503	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	178999	93.080	ug/l	96
59) 2-Hexanone	10.979	43	172098	89.593	ug/l	97
60) Dibromochloromethane	11.132	129	88234	18.622	ug/l	98
61) 1,2-Dibromoethane	11.238	107	59028	17.890	ug/l	99
64) Tetrachloroethene	10.873	164	66559	15.930	ug/l	99
65) Chlorobenzene	11.661	112	226626	17.239	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	96883	18.636	ug/l	97
67) Ethyl Benzene	11.738	91	391113	16.657	ug/l	99
68) m/p-Xylenes	11.849	106	300067	33.656	ug/l	99
69) o-Xylene	12.173	106	145153	17.021	ug/l	97
70) Styrene	12.185	104	265523	17.830	ug/l	97
71) Bromoform	12.349	173	51209	18.441	ug/l #	97
73) Isopropylbenzene	12.473	105	413587	17.152	ug/l	100
74) N-amyl acetate	12.279	43	93676	18.077	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	82545	19.140	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	72282m	21.534	ug/l	
77) Bromobenzene	12.749	156	97742	18.009	ug/l	92
78) n-propylbenzene	12.814	91	502311	17.150	ug/l	98
79) 2-Chlorotoluene	12.896	91	298307	17.613	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	364318	17.586	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	23397	17.294	ug/l	93
82) 4-Chlorotoluene	12.996	91	310438	17.702	ug/l	99
83) tert-Butylbenzene	13.214	119	312899	17.228	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	363740	17.820	ug/l	98
85) sec-Butylbenzene	13.391	105	463267	16.985	ug/l	97
86) p-Isopropyltoluene	13.502	119	389249	17.344	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	204668	17.993	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	204322	18.115	ug/l	99
89) n-Butylbenzene	13.832	91	364539	17.041	ug/l	99
90) Hexachloroethane	14.096	117	76756	17.449	ug/l	91
91) 1,2-Dichlorobenzene	13.879	146	183286	18.482	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.491	75	12274	17.833	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	117079	17.832	ug/l	97
94) Hexachlorobutadiene	15.255	225	65950	17.268	ug/l	95
95) Naphthalene	15.385	128	204604	18.078	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	108871	19.157	ug/l	97

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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