

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072374.D
 Acq On : 22 Mar 2022 21:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/23/2022
 Supervised By :Semsettin Yesilyurt 03/23/2022

Quant Time: Mar 23 04:54:35 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	7.973	168	335581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	572981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	537368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	267941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211283	56.495	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.980%			
35) Dibromofluoromethane	7.909	113	201003	49.851	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.700%			
50) Toluene-d8	10.332	98	725803	49.229	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.460%			
62) 4-Bromofluorobenzene	12.620	95	280248	48.921	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	126187	40.654	ug/l	97
3) Chloromethane	2.209	50	149220	54.102	ug/l	96
4) Vinyl Chloride	2.344	62	141918	53.305	ug/l	99
5) Bromomethane	2.756	94	95832	55.277	ug/l	92
6) Chloroethane	2.915	64	99559	56.559	ug/l	98
7) Trichlorofluoromethane	3.268	101	272757	45.365	ug/l	94
8) Diethyl Ether	3.703	74	92024	55.418	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	175142	45.685	ug/l	97
10) Methyl Iodide	4.297	142	150729	44.157	ug/l	98
11) Tert butyl alcohol	5.226	59	61269	282.552	ug/l	98
12) 1,1-Dichloroethene	4.062	96	149947	48.617	ug/l	95
13) Acrolein	3.921	56	41951	216.810	ug/l	96
14) Allyl chloride	4.709	41	289160	53.622	ug/l	93
15) Acrylonitrile	5.415	53	254079	303.242	ug/l	97
16) Acetone	4.156	43	250203	308.132	ug/l	92
17) Carbon Disulfide	4.409	76	334691	46.632	ug/l	99
18) Methyl Acetate	4.715	43	130336	65.499	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	472173	56.325	ug/l	97
20) Methylene Chloride	4.962	84	227564	57.598	ug/l	91
21) trans-1,2-Dichloroethene	5.468	96	181423	53.182	ug/l	94
22) Diisopropyl ether	6.362	45	692996	56.342	ug/l	94
23) Vinyl Acetate	6.303	43	1708324	272.146	ug/l	95
24) 1,1-Dichloroethane	6.262	63	385399	53.130	ug/l	100
25) 2-Butanone	7.209	43	336276	310.605	ug/l	97
26) 2,2-Dichloropropane	7.209	77	287788	43.970	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	228127	52.380	ug/l	96
28) Bromochloromethane	7.544	49	167952	57.513	ug/l	92
29) Tetrahydrofuran	7.562	42	204386	321.053	ug/l	96
30) Chloroform	7.703	83	405196	52.434	ug/l	96
31) Cyclohexane	7.979	56	272280	46.600	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	329139	47.955	ug/l	98
36) 1,1-Dichloropropene	8.109	75	265543	46.945	ug/l	98
37) Ethyl Acetate	7.285	43	137925	55.664	ug/l	96
38) Carbon Tetrachloride	8.091	117	280830	43.676	ug/l	99
39) Methylcyclohexane	9.350	83	288974	45.399	ug/l	99
40) Benzene	8.344	78	790848	49.007	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	87302	60.450	ug/l	94
42) 1,2-Dichloroethane	8.420	62	250743	51.221	ug/l	96
43) Isopropyl Acetate	8.444	43	268869	55.906	ug/l	96
44) Trichloroethene	9.103	130	214392	47.324	ug/l	91
45) 1,2-Dichloropropane	9.379	63	225444	50.940	ug/l	99
46) Dibromomethane	9.467	93	118249	54.316	ug/l	96
47) Bromodichloromethane	9.656	83	316241	49.829	ug/l	98
48) Methyl methacrylate	9.450	41	125087	54.471	ug/l #	83
49) 1,4-Dioxane	9.456	88	28946	1108.771	ug/l	96
51) 4-Methyl-2-Pentanone	10.220	43	744032	294.556	ug/l	96
52) Toluene	10.397	92	515051	48.504	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	291497	50.271	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	337913	50.411	ug/l	89
55) 1,1,2-Trichloroethane	10.791	97	167806	50.599	ug/l	95
56) Ethyl methacrylate	10.655	69	210968	54.311	ug/l	92
57) 1,3-Dichloropropane	10.938	76	294067	52.833	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	467173	267.482	ug/l	97
59) 2-Hexanone	10.979	43	527458	302.338	ug/l	97
60) Dibromochloromethane	11.132	129	213022	49.501	ug/l	98
61) 1,2-Dibromoethane	11.238	107	156003	52.058	ug/l	99
64) Tetrachloroethene	10.867	164	218426	57.690	ug/l	98
65) Chlorobenzene	11.661	112	562038	47.178	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	218251	46.328	ug/l	99
67) Ethyl Benzene	11.738	91	1003865	47.180	ug/l	98
68) m/p-Xylenes	11.844	106	765898	94.796	ug/l	100
69) o-Xylene	12.173	106	375984	48.651	ug/l	97
70) Styrene	12.185	104	657163	48.697	ug/l	98
71) Bromoform	12.350	173	124823	49.602	ug/l #	100
73) Isopropylbenzene	12.473	105	989684	46.611	ug/l	99
74) N-amyl acetate	12.279	43	259692	56.913	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	193725	51.014	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	151515m	51.263	ug/l	
77) Bromobenzene	12.749	156	230345	48.199	ug/l	96
78) n-propylbenzene	12.808	91	1208341	46.852	ug/l	99
79) 2-Chlorotoluene	12.897	91	710847	47.665	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	842429	46.183	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	60991	51.199	ug/l	91
82) 4-Chlorotoluene	12.997	91	733024	47.471	ug/l	99
83) tert-Butylbenzene	13.214	119	725416	45.360	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	832452	46.316	ug/l	99
85) sec-Butylbenzene	13.391	105	1081371	45.027	ug/l	99
86) p-Isopropyltoluene	13.502	119	891142	45.093	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	460115	45.939	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	452424	45.553	ug/l	100
89) n-Butylbenzene	13.832	91	839168	44.549	ug/l	99
90) Hexachloroethane	14.096	117	177036	45.707	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	408598	46.791	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	30617	50.519	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	250856	43.390	ug/l	99
94) Hexachlorobutadiene	15.249	225	133230	39.616	ug/l	98
95) Naphthalene	15.385	128	503232	50.495	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	231371	46.234	ug/l	98

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

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