

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123021\
 Data File : VD071537.D
 Acq On : 30 Dec 2021 08:50
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 30 15:27:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/31/2021
 Supervised By : Mahesh Dadoda 01/02/2022

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	310528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	516624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	490212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	240831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	216808	52.571	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.140%			
35) Dibromofluoromethane	7.908	113	197575	56.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.800%			
50) Toluene-d8	10.332	98	735880	56.083	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.160%			
62) 4-Bromofluorobenzene	12.620	95	262961	56.398	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.800%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	131488	40.410	ug/l	98
3) Chloromethane	2.209	50	200048	48.014	ug/l	99
4) Vinyl Chloride	2.350	62	223528	44.769	ug/l	97
5) Bromomethane	2.773	94	153327	43.897	ug/l	99
6) Chloroethane	2.926	64	160906	48.560	ug/l #	88
7) Trichlorofluoromethane	3.273	101	283734	46.420	ug/l	98
8) Diethyl Ether	3.709	74	79317	45.328	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.103	101	165459	46.529	ug/l	94
10) Methyl Iodide	4.297	142	149836	43.328	ug/l	95
11) Tert butyl alcohol	5.220	59	69630	218.713	ug/l #	86
12) 1,1-Dichloroethene	4.073	96	145639	45.017	ug/l	87
13) Acrolein	3.926	56	39047	195.999	ug/l	100
14) Allyl chloride	4.715	41	300868	49.168	ug/l #	79
15) Acrylonitrile	5.415	53	213442	247.685	ug/l	97
16) Acetone	4.150	43	299751	289.368	ug/l #	85
17) Carbon Disulfide	4.415	76	420404	39.882	ug/l	97
18) Methyl Acetate	4.715	43	148363	46.403	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	406962	48.729	ug/l	98
20) Methylene Chloride	4.967	84	190376	48.290	ug/l #	86
21) trans-1,2-Dichloroethene	5.473	96	174816	46.653	ug/l	85
22) Diisopropyl ether	6.362	45	656826	52.727	ug/l	95
23) Vinyl Acetate	6.303	43	1651350	257.148	ug/l	96
24) 1,1-Dichloroethane	6.262	63	357990	50.128	ug/l	99
25) 2-Butanone	7.209	43	317112	256.290	ug/l	90
26) 2,2-Dichloropropane	7.209	77	315537	53.774	ug/l	95
27) cis-1,2-Dichloroethene	7.209	96	208380	50.277	ug/l	91
28) Bromochloromethane	7.544	49	142118	48.563	ug/l	89
29) Tetrahydrofuran	7.556	42	178233	239.916	ug/l	93
30) Chloroform	7.708	83	372303	51.667	ug/l	96
31) Cyclohexane	7.979	56	297758	42.502	ug/l	99
32) 1,1,1-Trichloroethane	7.897	97	325625	50.953	ug/l #	94
36) 1,1-Dichloropropene	8.108	75	268369	48.379	ug/l	98
37) Ethyl Acetate	7.291	43	124704	48.694	ug/l #	91
38) Carbon Tetrachloride	8.091	117	280353	51.227	ug/l	96
39) Methylcyclohexane	9.350	83	286812	44.169	ug/l	93
40) Benzene	8.350	78	742850	49.814	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	65386	42.985	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	249957	51.403	ug/l	93
43) Isopropyl Acetate	8.444	43	253269	49.834	ug/l #	89
44) Trichloroethene	9.108	130	194217	49.978	ug/l	99
45) 1,2-Dichloropropane	9.385	63	202402	52.306	ug/l	98
46) Dibromomethane	9.473	93	106893	50.001	ug/l	93
47) Bromodichloromethane	9.655	83	282801	52.103	ug/l	98
48) Methyl methacrylate	9.450	41	117810	46.844	ug/l #	78
49) 1,4-Dioxane	9.461	88	21622	895.018	ug/l	92
51) 4-Methyl-2-Pentanone	10.220	43	692931	259.153	ug/l	88
52) Toluene	10.397	92	491125	51.845	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	265873	52.457	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	304017	51.908	ug/l #	79
55) 1,1,2-Trichloroethane	10.791	97	144544	53.267	ug/l	97
56) Ethyl methacrylate	10.655	69	183504	51.389	ug/l #	72
57) 1,3-Dichloropropane	10.938	76	254470	51.196	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	433779	253.596	ug/l	100
59) 2-Hexanone	10.979	43	521261	275.800	ug/l	87
60) Dibromochloromethane	11.132	129	183258	53.723	ug/l	100
61) 1,2-Dibromoethane	11.238	107	134394	50.003	ug/l	100
64) Tetrachloroethene	10.873	164	158222	46.446	ug/l	96
65) Chlorobenzene	11.661	112	505697	50.291	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.732	131	195690	53.272	ug/l	97
67) Ethyl Benzene	11.738	91	959674	51.282	ug/l	100
68) m/p-Xylenes	11.844	106	727948	102.389	ug/l	94
69) o-Xylene	12.173	106	345729	53.199	ug/l	96
70) Styrene	12.185	104	602002	53.323	ug/l	97
71) Bromoform	12.355	173	104019	52.329	ug/l #	99
73) Isopropylbenzene	12.473	105	916174	49.344	ug/l	99
74) N-amyl acetate	12.279	43	246156	49.415	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	166955	49.736	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	116133m	40.585	ug/l	
77) Bromobenzene	12.749	156	200238	48.466	ug/l	96
78) n-propylbenzene	12.808	91	1166397	50.118	ug/l	99
79) 2-Chlorotoluene	12.896	91	651355	50.081	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	776885	50.729	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	48149	47.544	ug/l #	76
82) 4-Chlorotoluene	12.996	91	676719	50.161	ug/l	99
83) tert-Butylbenzene	13.214	119	659217	50.375	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	774427	51.094	ug/l	97
85) sec-Butylbenzene	13.391	105	990951	49.671	ug/l	99
86) p-Isopropyltoluene	13.502	119	846656	51.146	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	414208	49.781	ug/l	97
88) 1,4-Dichlorobenzene	13.585	146	402246	49.303	ug/l	97
89) n-Butylbenzene	13.832	91	821566	50.566	ug/l	97
90) Hexachloroethane	14.096	117	161798	51.596	ug/l	90
91) 1,2-Dichlorobenzene	13.879	146	351885	49.831	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	27065	46.493	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	208411	48.431	ug/l	98
94) Hexachlorobutadiene	15.249	225	111786	48.491	ug/l	99
95) Naphthalene	15.385	128	395031	48.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.579	180	177907	47.798	ug/l	97

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

