

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071307.D
 Acq On : 13 Dec 2021 20:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/14/2021
 Supervised By : Mahesh Dadoda 12/15/2021

Quant Time: Dec 14 08:15:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	198190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	344330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	332634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	167931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	135970	58.468	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.940%			
35) Dibromofluoromethane	7.914	113	124343	56.709	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.420%			
50) Toluene-d8	10.338	98	424163	50.833	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.626	95	165393	57.182	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.360%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	74575	44.124	ug/l	96
3) Chloromethane	2.209	50	135905	60.782	ug/l	100
4) Vinyl Chloride	2.350	62	155218	62.223	ug/l	96
5) Bromomethane	2.773	94	108164	60.149	ug/l	92
6) Chloroethane	2.926	64	116781	68.065	ug/l	90
7) Trichlorofluoromethane	3.279	101	185465	54.883	ug/l	94
8) Diethyl Ether	3.709	74	55799	60.908	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	110978	55.664	ug/l	94
10) Methyl Iodide	4.303	142	96045	42.221	ug/l	95
11) Tert butyl alcohol	5.220	59	44128	306.277	ug/l #	86
12) 1,1-Dichloroethene	4.073	96	98400	53.482	ug/l	88
13) Acrolein	3.926	56	26025	163.763	ug/l	100
14) Allyl chloride	4.720	41	203815	58.321	ug/l #	80
15) Acrylonitrile	5.420	53	158960	356.782	ug/l	96
16) Acetone	4.150	43	177863	283.346	ug/l #	84
17) Carbon Disulfide	4.415	76	259230	48.123	ug/l	97
18) Methyl Acetate	4.720	43	122825	71.584	ug/l	93
19) Methyl tert-butyl Ether	5.473	73	289977	64.310	ug/l	98
20) Methylene Chloride	4.967	84	162223	70.872	ug/l #	83
21) trans-1,2-Dichloroethene	5.473	96	119837	57.862	ug/l	88
22) Diisopropyl ether	6.361	45	454672	64.936	ug/l	92
23) Vinyl Acetate	6.309	43	1066431	278.203	ug/l	96
24) 1,1-Dichloroethane	6.261	63	253794	63.019	ug/l	99
25) 2-Butanone	7.208	43	220877	302.924	ug/l #	88
26) 2,2-Dichloropropane	7.203	77	192309	52.513	ug/l	95
27) cis-1,2-Dichloroethene	7.214	96	147671	63.024	ug/l	96
28) Bromochloromethane	7.544	49	106267	60.752	ug/l	89
29) Tetrahydrofuran	7.561	42	131375	355.768	ug/l	92
30) Chloroform	7.708	83	266295	65.886	ug/l	99
31) Cyclohexane	7.979	56	191549	48.423	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	221038	60.913	ug/l	95
36) 1,1-Dichloropropene	8.114	75	177371	55.115	ug/l	96
37) Ethyl Acetate	7.291	43	91427	65.768	ug/l #	92
38) Carbon Tetrachloride	8.097	117	186489	58.786	ug/l	97
39) Methylcyclohexane	9.355	83	193086	49.883	ug/l	96
40) Benzene	8.350	78	517263	59.173	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	53839	71.995	ug/l #	78
42) 1,2-Dichloroethane	8.426	62	173948	65.190	ug/l	95
43) Isopropyl Acetate	8.450	43	178825	57.577	ug/l	90
44) Trichloroethene	9.108	130	134690	57.789	ug/l	99
45) 1,2-Dichloropropane	9.385	63	144939	63.048	ug/l	98
46) Dibromomethane	9.473	93	76634	64.253	ug/l	94
47) Bromodichloromethane	9.661	83	203327	64.462	ug/l	99
48) Methyl methacrylate	9.455	41	90631	66.604	ug/l #	81
49) 1,4-Dioxane	9.461	88	16152	1402.911	ug/l #	89
51) 4-Methyl-2-Pentanone	10.226	43	481926	300.392	ug/l	91
52) Toluene	10.397	92	329870	59.474	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	183833	63.390	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	206503	59.947	ug/l #	78
55) 1,1,2-Trichloroethane	10.797	97	101576	64.920	ug/l	96
56) Ethyl methacrylate	10.655	69	128160	56.074	ug/l #	73
57) 1,3-Dichloropropane	10.938	76	184228	67.026	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	306344	287.725	ug/l	100
59) 2-Hexanone	10.979	43	346684	287.492	ug/l	88
60) Dibromochloromethane	11.132	129	131076	67.405	ug/l	100
61) 1,2-Dibromoethane	11.238	107	97101	64.618	ug/l	99
64) Tetrachloroethene	10.873	164	110727	52.434	ug/l	97
65) Chlorobenzene	11.667	112	359120	58.187	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	136049	60.373	ug/l	99
67) Ethyl Benzene	11.738	91	658295	56.659	ug/l	98
68) m/p-Xylenes	11.849	106	491583	112.070	ug/l	96
69) o-Xylene	12.173	106	235606	57.149	ug/l	98
70) Styrene	12.185	104	408229	58.753	ug/l	95
71) Bromoform	12.349	173	74873	64.135	ug/l #	99
73) Isopropylbenzene	12.473	105	627480	51.604	ug/l	99
74) N-amyl acetate	12.279	43	165769	49.817	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	123033	61.442	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	82307m	51.443	ug/l	
77) Bromobenzene	12.749	156	141068	53.562	ug/l	96
78) n-propylbenzene	12.814	91	788344	52.061	ug/l	99
79) 2-Chlorotoluene	12.896	91	453712	53.384	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	529257	52.783	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	32797	48.181	ug/l #	74
82) 4-Chlorotoluene	12.996	91	469893	53.256	ug/l	100
83) tert-Butylbenzene	13.214	119	446139	51.809	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	539415	55.102	ug/l	96
85) sec-Butylbenzene	13.390	105	694031	52.769	ug/l	99
86) p-Isopropyltoluene	13.502	119	574737	53.428	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	292715	55.831	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	286559	55.167	ug/l	99
89) n-Butylbenzene	13.832	91	550616	52.434	ug/l	98
90) Hexachloroethane	14.102	117	112156	55.000	ug/l	94
91) 1,2-Dichlorobenzene	13.873	146	252909	56.724	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	18767	57.550	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	146465	52.664	ug/l	99
94) Hexachlorobutadiene	15.249	225	78168	49.675	ug/l	98
95) Naphthalene	15.385	128	285305	58.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	134227	56.825	ug/l	98

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

