

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120221\
 Data File : VD071125.D
 Acq On : 02 Dec 2021 18:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/03/2021
 Supervised By : Mahesh Dadoda 12/06/2021

Quant Time: Dec 03 00:41:27 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	249051	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	418492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	392085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	195060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159024	54.417	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.840%			
35) Dibromofluoromethane	7.908	113	141094	52.945	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.900%			
50) Toluene-d8	10.332	98	506496	49.944	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.626	95	186766	53.128	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	95700	45.060	ug/l	98
3) Chloromethane	2.209	50	160373	57.077	ug/l	99
4) Vinyl Chloride	2.350	62	188410	60.104	ug/l	97
5) Bromomethane	2.767	94	122880	54.378	ug/l	97
6) Chloroethane	2.920	64	129922	60.260	ug/l	94
7) Trichlorofluoromethane	3.273	101	228440	53.795	ug/l	92
8) Diethyl Ether	3.709	74	66126	57.440	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.091	101	134656	53.747	ug/l	95
10) Methyl Iodide	4.303	142	130485	45.276	ug/l	95
11) Tert butyl alcohol	5.208	59	52833	289.329	ug/l	95
12) 1,1-Dichloroethene	4.073	96	117251	50.713	ug/l	90
13) Acrolein	3.920	56	41300	206.808	ug/l	99
14) Allyl chloride	4.714	41	237218	54.017	ug/l #	81
15) Acrylonitrile	5.414	53	177272	316.627	ug/l	96
16) Acetone	4.150	43	214115	272.733	ug/l	89
17) Carbon Disulfide	4.409	76	336145	49.658	ug/l	98
18) Methyl Acetate	4.714	43	132581	61.490	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	343845	60.684	ug/l	97
20) Methylene Chloride	4.961	84	153477	52.232	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	143408	55.102	ug/l	93
22) Diisopropyl ether	6.361	45	521590	59.280	ug/l	92
23) Vinyl Acetate	6.303	43	1268166	264.729	ug/l	98
24) 1,1-Dichloroethane	6.261	63	285187	56.352	ug/l	99
25) 2-Butanone	7.208	43	252828	278.459	ug/l #	87
26) 2,2-Dichloropropane	7.208	77	227665	49.472	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	164986	56.034	ug/l	93
28) Bromochloromethane	7.544	49	122103	55.549	ug/l	89
29) Tetrahydrofuran	7.561	42	147434	317.721	ug/l	94
30) Chloroform	7.708	83	293146	57.717	ug/l	97
31) Cyclohexane	7.979	56	239462	48.173	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	251560	55.167	ug/l	94
36) 1,1-Dichloropropene	8.108	75	210596	53.842	ug/l	97
37) Ethyl Acetate	7.291	43	103842	61.461	ug/l #	92
38) Carbon Tetrachloride	8.097	117	213864	55.468	ug/l	96
39) Methylcyclohexane	9.355	83	242363	51.517	ug/l	100
40) Benzene	8.349	78	595505	56.051	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	60005	67.669	ug/l #	84
42) 1,2-Dichloroethane	8.420	62	198641	61.252	ug/l	94
43) Isopropyl Acetate	8.449	43	209693	55.735	ug/l #	89
44) Trichloroethene	9.108	130	154570	54.566	ug/l	92
45) 1,2-Dichloropropane	9.379	63	163223	58.419	ug/l	92
46) Dibromomethane	9.473	93	88493	61.047	ug/l	95
47) Bromodichloromethane	9.655	83	231224	60.315	ug/l	95
48) Methyl methacrylate	9.449	41	103260	62.437	ug/l #	84
49) 1,4-Dioxane	9.455	88	19381	1385.058	ug/l	91
51) 4-Methyl-2-Pentanone	10.220	43	546115	282.151	ug/l	91
52) Toluene	10.396	92	382529	56.746	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	207773	58.949	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	237698	56.775	ug/l #	83
55) 1,1,2-Trichloroethane	10.796	97	117509	61.794	ug/l	96
56) Ethyl methacrylate	10.655	69	151112	54.578	ug/l #	77
57) 1,3-Dichloropropane	10.938	76	209858	62.820	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	349415	270.021	ug/l	100
59) 2-Hexanone	10.979	43	397202	272.996	ug/l	90
60) Dibromochloromethane	11.132	129	147126	62.251	ug/l	99
61) 1,2-Dibromoethane	11.238	107	112804	61.765	ug/l	100
64) Tetrachloroethene	10.867	164	133896	53.792	ug/l	97
65) Chlorobenzene	11.661	112	405078	55.682	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	152929	57.574	ug/l	99
67) Ethyl Benzene	11.738	91	738749	53.943	ug/l	99
68) m/p-Xylenes	11.843	106	567271	109.716	ug/l	95
69) o-Xylene	12.173	106	268979	55.351	ug/l	95
70) Styrene	12.185	104	471609	57.583	ug/l	96
71) Bromoform	12.349	173	85003	61.771	ug/l	99
73) Isopropylbenzene	12.473	105	727051	51.476	ug/l	99
74) N-amyl acetate	12.279	43	193680	50.076	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	137558	59.141	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	113759m	61.212	ug/l	
77) Bromobenzene	12.749	156	161325	52.734	ug/l	98
78) n-propylbenzene	12.814	91	894143	50.835	ug/l	99
79) 2-Chlorotoluene	12.896	91	507145	51.372	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	607940	52.198	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	38762	48.924	ug/l #	76
82) 4-Chlorotoluene	12.996	91	527658	51.485	ug/l	99
83) tert-Butylbenzene	13.214	119	517552	51.743	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	606727	53.358	ug/l	98
85) sec-Butylbenzene	13.390	105	786151	51.460	ug/l	98
86) p-Isopropyltoluene	13.508	119	647674	51.834	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	328473	53.938	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	329725	54.649	ug/l	99
89) n-Butylbenzene	13.832	91	628345	51.514	ug/l	99
90) Hexachloroethane	14.096	117	124774	52.678	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	290755	56.143	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.484	75	22755	60.075	ug/l	97
93) 1,2,4-Trichlorobenzene	15.143	180	179256	55.490	ug/l	98
94) Hexachlorobutadiene	15.249	225	94036	51.448	ug/l	98
95) Naphthalene	15.384	128	340601	59.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	159352	58.079	ug/l	99

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

