

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071141.D
 Acq On : 04 Dec 2021 13:23
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 12/06/2021
 Supervised By :Mahesh Dadoda 12/06/2021

Quant Time: Dec 06 03:42:22 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	7.973	168	252545	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	423660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	387447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	187859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	143708	48.496	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.000%		
35) Dibromofluoromethane	7.914	113	137343	50.909	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.820%		
50) Toluene-d8	10.332	98	484357	47.178	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.360%		
62) 4-Bromofluorobenzene	12.626	95	173285	48.692	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	103215	47.926	ug/l	99
3) Chloromethane	2.209	50	153061	53.721	ug/l	93
4) Vinyl Chloride	2.356	62	181019	56.947	ug/l	96
5) Bromomethane	2.773	94	128315	55.997	ug/l	98
6) Chloroethane	2.926	64	133228	60.938	ug/l	89
7) Trichlorofluoromethane	3.273	101	239303	55.573	ug/l	97
8) Diethyl Ether	3.709	74	62828	53.820	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.097	101	138527	54.527	ug/l	95
10) Methyl Iodide	4.303	142	144205	48.935	ug/l	95
11) Tert butyl alcohol	5.203	59	51597	276.481	ug/l #	82
12) 1,1-Dichloroethene	4.073	96	125363	53.472	ug/l	89
13) Acrolein	3.920	56	37863	186.974	ug/l	98
14) Allyl chloride	4.714	41	249681	56.068	ug/l #	81
15) Acrylonitrile	5.420	53	161786	284.970	ug/l	96
16) Acetone	4.156	43	203656	257.731	ug/l #	85
17) Carbon Disulfide	4.414	76	358673	52.253	ug/l	97
18) Methyl Acetate	4.714	43	121571	55.603	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	323138	56.240	ug/l	100
20) Methylene Chloride	4.961	84	162230	54.640	ug/l	90
21) trans-1,2-Dichloroethene	5.479	96	146333	55.448	ug/l	89
22) Diisopropyl ether	6.361	45	510747	57.245	ug/l	92
23) Vinyl Acetate	6.303	43	1210116	250.722	ug/l	95
24) 1,1-Dichloroethane	6.261	63	295521	57.587	ug/l	99
25) 2-Butanone	7.203	43	229663	252.401	ug/l #	89
26) 2,2-Dichloropropane	7.203	77	252134	54.031	ug/l	95
27) cis-1,2-Dichloroethene	7.208	96	167495	56.099	ug/l	89
28) Bromochloromethane	7.544	49	113292	50.828	ug/l	90
29) Tetrahydrofuran	7.555	42	130546	277.435	ug/l	95
30) Chloroform	7.708	83	298086	57.878	ug/l	97
31) Cyclohexane	7.979	56	260621	51.705	ug/l	99
32) 1,1,1-Trichloroethane	7.902	97	269688	58.324	ug/l	95
36) 1,1-Dichloropropene	8.108	75	223918	56.550	ug/l	98
37) Ethyl Acetate	7.285	43	90912	53.152	ug/l #	92
38) Carbon Tetrachloride	8.091	117	229980	58.920	ug/l	99
39) Methylcyclohexane	9.349	83	255151	53.574	ug/l	97
40) Benzene	8.350	78	610431	56.755	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	57590	65.097	ug/l #	81
42) 1,2-Dichloroethane	8.420	62	193093	58.815	ug/l	94
43) Isopropyl Acetate	8.450	43	186647	49.635	ug/l	92
44) Trichloroethene	9.108	130	162814	56.775	ug/l	91
45) 1,2-Dichloropropane	9.385	63	163439	57.783	ug/l	96
46) Dibromomethane	9.473	93	82483	56.207	ug/l	95
47) Bromodichloromethane	9.655	83	228756	58.944	ug/l	96
48) Methyl methacrylate	9.449	41	93387	55.779	ug/l #	79
49) 1,4-Dioxane	9.455	88	16675	1177.137	ug/l #	85
51) 4-Methyl-2-Pentanone	10.220	43	493243	255.031	ug/l	90
52) Toluene	10.396	92	389548	57.083	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	205708	57.651	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	242444	57.202	ug/l #	83
55) 1,1,2-Trichloroethane	10.796	97	110425	57.360	ug/l	92
56) Ethyl methacrylate	10.655	69	136964	49.489	ug/l #	75
57) 1,3-Dichloropropane	10.938	76	198010	58.550	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	359642	274.534	ug/l	99
59) 2-Hexanone	10.979	43	356283	245.825	ug/l	91
60) Dibromochloromethane	11.132	129	141790	59.261	ug/l	100
61) 1,2-Dibromoethane	11.238	107	105246	56.924	ug/l	99
64) Tetrachloroethene	10.873	164	137106	55.741	ug/l	96
65) Chlorobenzene	11.661	112	408837	56.871	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.738	131	149601	56.995	ug/l	99
67) Ethyl Benzene	11.738	91	771128	56.981	ug/l	100
68) m/p-Xylenes	11.843	106	592840	116.034	ug/l	97
69) o-Xylene	12.173	106	271234	56.483	ug/l	97
70) Styrene	12.185	104	473666	58.527	ug/l	98
71) Bromoform	12.355	173	78681	57.862	ug/l #	98
73) Isopropylbenzene	12.473	105	747447	54.949	ug/l	99
74) N-amyl acetate	12.279	43	173906	47.073	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	126157	56.319	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	84306m	47.103	ug/l	
77) Bromobenzene	12.755	156	159432	54.113	ug/l	97
78) n-propylbenzene	12.814	91	928366	54.804	ug/l	100
79) 2-Chlorotoluene	12.896	91	513226	53.981	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	610168	54.397	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	36256	47.681	ug/l #	79
82) 4-Chlorotoluene	12.996	91	529769	53.673	ug/l	99
83) tert-Butylbenzene	13.214	119	533890	55.423	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	614991	56.158	ug/l	97
85) sec-Butylbenzene	13.390	105	827609	56.250	ug/l	100
86) p-Isopropyltoluene	13.502	119	666675	55.400	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	322056	54.911	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	318097	54.743	ug/l	98
89) n-Butylbenzene	13.832	91	660825	56.254	ug/l	99
90) Hexachloroethane	14.102	117	130362	57.146	ug/l	93
91) 1,2-Dichlorobenzene	13.879	146	274648	55.065	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	18965	51.988	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	175271	56.336	ug/l	97
94) Hexachlorobutadiene	15.249	225	95982	54.526	ug/l	99
95) Naphthalene	15.384	128	307448	56.058	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	147355	55.765	ug/l	96

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

