

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031422\
 Data File : VD072178.D
 Acq On : 14 Mar 2022 20:14
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/16/2022
 Supervised By :Semsettin Yesilyurt 03/16/2022

Quant Time: Mar 15 02:11:59 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	7.979	168	356811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	582874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	541408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	278347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	216423	54.426	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.860%			
35) Dibromofluoromethane	7.914	113	212499	51.807	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.620%			
50) Toluene-d8	10.338	98	779815	51.995	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.980%			
62) 4-Bromofluorobenzene	12.626	95	289201	49.627	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	153548	46.526	ug/l	96
3) Chloromethane	2.209	50	156808	53.470	ug/l	98
4) Vinyl Chloride	2.350	62	151633	53.565	ug/l	99
5) Bromomethane	2.773	94	105382	57.169	ug/l	92
6) Chloroethane	2.926	64	100881	53.900	ug/l	96
7) Trichlorofluoromethane	3.273	101	317979	49.740	ug/l	96
8) Diethyl Ether	3.709	74	90899	51.483	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	197423	48.433	ug/l	96
10) Methyl Iodide	4.303	142	164093	45.159	ug/l	100
11) Tert butyl alcohol	5.220	59	49157	213.207	ug/l #	92
12) 1,1-Dichloroethene	4.067	96	168129	51.269	ug/l	94
13) Acrolein	3.926	56	40479	196.755	ug/l	97
14) Allyl chloride	4.714	41	295268	51.497	ug/l	95
15) Acrylonitrile	5.414	53	232960	261.493	ug/l	96
16) Acetone	4.156	43	171642	198.805	ug/l	95
17) Carbon Disulfide	4.414	76	390345	51.005	ug/l	99
18) Methyl Acetate	4.720	43	100011	47.269	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	458243	51.411	ug/l	99
20) Methylene Chloride	4.961	84	221922	52.217	ug/l	92
21) trans-1,2-Dichloroethene	5.473	96	194214	53.544	ug/l	96
22) Diisopropyl ether	6.367	45	694452	53.101	ug/l	93
23) Vinyl Acetate	6.308	43	1834052	274.791	ug/l	95
24) 1,1-Dichloroethane	6.267	63	403372	52.299	ug/l	98
25) 2-Butanone	7.208	43	268874	233.572	ug/l	96
26) 2,2-Dichloropropane	7.208	77	333115	47.868	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	246016	53.127	ug/l	93
28) Bromochloromethane	7.544	49	163741	52.735	ug/l #	83
29) Tetrahydrofuran	7.561	42	174382	257.624	ug/l	94
30) Chloroform	7.708	83	431531	52.519	ug/l	100
31) Cyclohexane	7.985	56	307961	49.570	ug/l	88
32) 1,1,1-Trichloroethane	7.902	97	369953	50.694	ug/l	97
36) 1,1-Dichloropropene	8.114	75	288254	50.095	ug/l	96
37) Ethyl Acetate	7.291	43	125791	49.906	ug/l #	95
38) Carbon Tetrachloride	8.097	117	320740	49.036	ug/l	98
39) Methylcyclohexane	9.355	83	327736	50.614	ug/l	95
40) Benzene	8.349	78	855992	52.144	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	82691	56.285	ug/l	95
42) 1,2-Dichloroethane	8.420	62	259628	52.136	ug/l	97
43) Isopropyl Acetate	8.449	43	245020	50.083	ug/l	94
44) Trichloroethene	9.114	130	229220	49.738	ug/l	89
45) 1,2-Dichloropropane	9.385	63	230231	51.138	ug/l	97
46) Dibromomethane	9.473	93	115993	52.376	ug/l	92
47) Bromodichloromethane	9.655	83	328069	50.815	ug/l	99
48) Methyl methacrylate	9.455	41	124654	53.361	ug/l	90
49) 1,4-Dioxane	9.461	88	24202	911.318	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	645110	251.059	ug/l	96
52) Toluene	10.396	92	556024	51.473	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	298579	50.618	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	350469	51.397	ug/l	92
55) 1,1,2-Trichloroethane	10.796	97	167631	49.688	ug/l	97
56) Ethyl methacrylate	10.655	69	204010	51.628	ug/l	89
57) 1,3-Dichloropropane	10.938	76	287058	50.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	430271	242.172	ug/l	96
59) 2-Hexanone	10.979	43	429031	241.746	ug/l	95
60) Dibromochloromethane	11.138	129	215861	49.310	ug/l	100
61) 1,2-Dibromoethane	11.243	107	151714	49.767	ug/l	97
64) Tetrachloroethene	10.873	164	188701	49.468	ug/l	98
65) Chlorobenzene	11.667	112	611166	50.919	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	232620	49.010	ug/l	99
67) Ethyl Benzene	11.738	91	1089935	50.843	ug/l	100
68) m/p-Xylenes	11.849	106	833083	102.342	ug/l	100
69) o-Xylene	12.173	106	395729	50.824	ug/l	98
70) Styrene	12.190	104	695088	51.123	ug/l	98
71) Bromoform	12.349	173	124650	49.164	ug/l #	99
73) Isopropylbenzene	12.473	105	1081599	49.035	ug/l	99
74) N-amyl acetate	12.279	43	235376	49.655	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	184752	46.832	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	153829m	50.100	ug/l	
77) Bromobenzene	12.749	156	248043	49.962	ug/l	91
78) n-propylbenzene	12.814	91	1329161	49.610	ug/l	99
79) 2-Chlorotoluene	12.896	91	770801	49.753	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	919950	48.547	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	59135	47.785	ug/l	92
82) 4-Chlorotoluene	12.996	91	800628	49.910	ug/l	99
83) tert-Butylbenzene	13.214	119	796043	47.915	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	917612	49.145	ug/l	100
85) sec-Butylbenzene	13.390	105	1194354	47.872	ug/l	99
86) p-Isopropyltoluene	13.502	119	1014696	49.425	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	512084	49.216	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	499924	48.453	ug/l	99
89) n-Butylbenzene	13.832	91	948866	48.490	ug/l	99
90) Hexachloroethane	14.102	117	191100	47.493	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	436522	48.120	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	29817	47.360	ug/l	91
93) 1,2,4-Trichlorobenzene	15.143	180	282027	46.958	ug/l	99
94) Hexachlorobutadiene	15.249	225	158001	45.225	ug/l	99
95) Naphthalene	15.384	128	497501	48.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	246696	47.453	ug/l	100

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

