

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050322\
 Data File : VD072761.D
 Acq On : 03 May 2022 11:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/04/2022
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: May 03 16:49:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	319958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	508293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	496984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	244325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	194077	46.728	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.460%		
35) Dibromofluoromethane	7.908	113	181157	50.747	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.500%		
50) Toluene-d8	10.332	98	652798	50.979	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.960%		
62) 4-Bromofluorobenzene	12.620	95	246968	51.724	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	203103	45.937	ug/l	97
3) Chloromethane	2.209	50	203741	44.310	ug/l	97
4) Vinyl Chloride	2.350	62	193226	46.832	ug/l	100
5) Bromomethane	2.762	94	124858	49.172	ug/l	94
6) Chloroethane	2.920	64	121111	47.098	ug/l	100
7) Trichlorofluoromethane	3.273	101	346039	47.895	ug/l	95
8) Diethyl Ether	3.709	74	95200	45.961	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	212774	49.605	ug/l	98
10) Methyl Iodide	4.297	142	204928	47.606	ug/l	99
11) Tert butyl alcohol	5.203	59	88633	246.650	ug/l #	84
12) 1,1-Dichloroethene	4.067	96	184497	47.821	ug/l	93
13) Acrolein	3.920	56	48389	189.961	ug/l	100
14) Allyl chloride	4.714	41	286556	46.005	ug/l	95
15) Acrylonitrile	5.420	53	223161	226.702	ug/l	98
16) Acetone	4.156	43	216213	279.792	ug/l	90
17) Carbon Disulfide	4.409	76	576670	47.537	ug/l	99
18) Methyl Acetate	4.714	43	103224	45.652	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	450716	48.731	ug/l	99
20) Methylene Chloride	4.961	84	238783	47.787	ug/l	89
21) trans-1,2-Dichloroethene	5.467	96	216650	48.963	ug/l	94
22) Diisopropyl ether	6.361	45	670890	48.962	ug/l	94
23) Vinyl Acetate	6.303	43	1839989	243.087	ug/l #	95
24) 1,1-Dichloroethane	6.261	63	387028	47.013	ug/l	99
25) 2-Butanone	7.203	43	297160	245.558	ug/l #	89
26) 2,2-Dichloropropane	7.203	77	339104	48.725	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	244441	48.234	ug/l	92
28) Bromochloromethane	7.544	49	151242	49.266	ug/l	85
29) Tetrahydrofuran	7.555	42	180465	233.960	ug/l	94
30) Chloroform	7.702	83	422002	48.447	ug/l	97
31) Cyclohexane	7.979	56	341513	47.038	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	360187	48.517	ug/l	97
36) 1,1-Dichloropropene	8.108	75	309335	53.291	ug/l	98
37) Ethyl Acetate	7.291	43	133873	50.170	ug/l	97
38) Carbon Tetrachloride	8.091	117	320349	53.166	ug/l	99
39) Methylcyclohexane	9.349	83	362618	53.858	ug/l	99
40) Benzene	8.344	78	871081	51.965	ug/l	99

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41) Methacrylonitrile	7.514	41	75924	47.785	ug/l	92
42) 1,2-Dichloroethane	8.420	62	260625	51.595	ug/l	98
43) Isopropyl Acetate	8.444	43	249952	50.751	ug/l	95
44) Trichloroethene	9.108	130	229808	51.244	ug/l	95
45) 1,2-Dichloropropane	9.385	63	226679	51.492	ug/l	94
46) Dibromomethane	9.467	93	124226	51.157	ug/l	97
47) Bromodichloromethane	9.655	83	319741	51.183	ug/l	99
48) Methyl methacrylate	9.449	41	131374	54.525	ug/l	93
49) 1,4-Dioxane	9.455	88	27927	1021.274	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	667201	260.702	ug/l	95
52) Toluene	10.396	92	565312	54.063	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	295652	51.525	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	350162	52.526	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	170256	51.864	ug/l	97
56) Ethyl methacrylate	10.655	69	208020	53.819	ug/l #	86
57) 1,3-Dichloropropane	10.938	76	293700	52.135	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	515564	275.117	ug/l	97
59) 2-Hexanone	10.973	43	478840	278.060	ug/l	96
60) Dibromochloromethane	11.132	129	213731	51.719	ug/l	99
61) 1,2-Dibromoethane	11.238	107	162063	50.720	ug/l	96
64) Tetrachloroethene	10.867	164	187264	51.538	ug/l	95
65) Chlorobenzene	11.661	112	588673	51.212	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	228331	52.855	ug/l	99
67) Ethyl Benzene	11.738	91	1075876	54.082	ug/l	99
68) m/p-Xylenes	11.843	106	838905	109.475	ug/l	99
69) o-Xylene	12.173	106	391075	54.644	ug/l	96
70) Styrene	12.185	104	690390	55.678	ug/l	98
71) Bromoform	12.349	173	119572	51.072	ug/l #	98
73) Isopropylbenzene	12.467	105	1035815	54.490	ug/l	100
74) N-amyl acetate	12.279	43	248314	52.455	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	190412	49.622	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	144149m	52.911	ug/l	
77) Bromobenzene	12.749	156	237988	52.723	ug/l	94
78) n-propylbenzene	12.808	91	1308506	54.617	ug/l	100
79) 2-Chlorotoluene	12.896	91	736970	52.659	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	882322	54.740	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.514	75	61035	51.518	ug/l	92
82) 4-Chlorotoluene	12.990	91	777707	53.185	ug/l	100
83) tert-Butylbenzene	13.208	119	750794	54.788	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	874116	54.254	ug/l	99
85) sec-Butylbenzene	13.390	105	1138509	55.085	ug/l	98
86) p-Isopropyltoluene	13.502	119	940303	55.489	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	477253	52.484	ug/l	100
88) 1,4-Dichlorobenzene	13.579	146	473082	52.242	ug/l	100
89) n-Butylbenzene	13.826	91	911416	55.522	ug/l	99
90) Hexachloroethane	14.096	117	183537	52.870	ug/l	97
91) 1,2-Dichlorobenzene	13.873	146	414464	52.298	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	30966	50.908	ug/l	98
93) 1,2,4-Trichlorobenzene	15.143	180	247398	52.712	ug/l	99
94) Hexachlorobutadiene	15.249	225	135090	52.703	ug/l	99
95) Naphthalene	15.384	128	467101	54.130	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	217646	52.312	ug/l	99

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

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