

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
 Data File : VD071792.D
 Acq On : 27 Jan 2022 10:07
 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 : John Carlone 01/28/2022
 Supervised By : Mahesh Dadoda 01/28/2022

Quant Time: Jan 27 15:36:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	446460	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	742608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	674362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	316320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	283871	50.305	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.600%			
35) Dibromofluoromethane	7.914	113	247275	50.657	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.320%			
50) Toluene-d8	10.338	98	962872	52.817	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.626	95	320228	50.301	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	242392	45.783	ug/l	98
3) Chloromethane	2.215	50	286907	45.263	ug/l	95
4) Vinyl Chloride	2.362	62	309532	46.644	ug/l	97
5) Bromomethane	2.785	94	214236	48.929	ug/l	98
6) Chloroethane	2.932	64	201242	47.852	ug/l	100
7) Trichlorofluoromethane	3.285	101	462192	48.599	ug/l	98
8) Diethyl Ether	3.715	74	120382	47.973	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.103	101	264307	49.261	ug/l	100
10) Methyl Iodide	4.309	142	289936	52.711	ug/l	98
11) Tert butyl alcohol	5.215	59	75775	220.503	ug/l #	89
12) 1,1-Dichloroethene	4.073	96	241009	49.136	ug/l	99
13) Acrolein	3.926	56	106477	212.439	ug/l	96
14) Allyl chloride	4.720	41	475249	50.831	ug/l	98
15) Acrylonitrile	5.420	53	293537	230.158	ug/l	100
16) Acetone	4.162	43	386768	250.380	ug/l	100
17) Carbon Disulfide	4.420	76	819346	47.907	ug/l	97
18) Methyl Acetate	4.720	43	133511	39.976	ug/l	97
19) Methyl tert-butyl Ether	5.485	73	564161	48.079	ug/l	100
20) Methylene Chloride	4.979	84	273819	48.448	ug/l	95
21) trans-1,2-Dichloroethene	5.479	96	284152	49.763	ug/l	100
22) Diisopropyl ether	6.367	45	923287	50.385	ug/l	96
23) Vinyl Acetate	6.309	43	2598399	257.038	ug/l	100
24) 1,1-Dichloroethane	6.267	63	532365	49.843	ug/l	98
25) 2-Butanone	7.214	43	430631	239.133	ug/l	96
26) 2,2-Dichloropropane	7.214	77	450762	50.999	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	309428	50.453	ug/l	99
28) Bromochloromethane	7.550	49	189637	47.073	ug/l	100
29) Tetrahydrofuran	7.561	42	243592	228.615	ug/l	99
30) Chloroform	7.709	83	525348	48.144	ug/l	98
31) Cyclohexane	7.991	56	513470	47.662	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	475036	49.356	ug/l	98
36) 1,1-Dichloropropene	8.114	75	420582	50.200	ug/l	99
37) Ethyl Acetate	7.291	43	179489	46.079	ug/l	99
38) Carbon Tetrachloride	8.103	117	419617	50.645	ug/l	99
39) Methylcyclohexane	9.356	83	501501	51.660	ug/l	95
40) Benzene	8.356	78	1124178	49.708	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	91548	41.543	ug/l #	82
42) 1,2-Dichloroethane	8.426	62	348879	48.853	ug/l	98
43) Isopropyl Acetate	8.450	43	332229	47.455	ug/l	98
44) Trichloroethene	9.114	130	289282	49.540	ug/l	100
45) 1,2-Dichloropropane	9.385	63	285557	48.969	ug/l	96
46) Dibromomethane	9.473	93	150592	49.320	ug/l	98
47) Bromodichloromethane	9.661	83	395175	48.937	ug/l	99
48) Methyl methacrylate	9.456	41	172084	46.445	ug/l	94
49) 1,4-Dioxane	9.461	88	31134	893.349	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	863400	235.667	ug/l	100
52) Toluene	10.403	92	725193	51.567	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	369360	49.801	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	435170	50.056	ug/l	100
55) 1,1,2-Trichloroethane	10.797	97	190341	46.971	ug/l	96
56) Ethyl methacrylate	10.655	69	247961	49.421	ug/l	97
57) 1,3-Dichloropropane	10.944	76	347270	48.002	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	575182	243.526	ug/l	99
59) 2-Hexanone	10.979	43	656957	247.060	ug/l	99
60) Dibromochloromethane	11.138	129	244035	48.767	ug/l	98
61) 1,2-Dibromoethane	11.244	107	188176	48.197	ug/l	100
64) Tetrachloroethene	10.873	164	235636	49.398	ug/l	93
65) Chlorobenzene	11.667	112	714834	50.105	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	260718	50.233	ug/l	99
67) Ethyl Benzene	11.744	91	1382714	52.672	ug/l	98
68) m/p-Xylenes	11.850	106	1063566	106.516	ug/l	99
69) o-Xylene	12.173	106	479931	52.891	ug/l	99
70) Styrene	12.191	104	818979	52.363	ug/l	99
71) Bromoform	12.355	173	133912	48.324	ug/l #	99
73) Isopropylbenzene	12.473	105	1303374	53.212	ug/l	100
74) N-amyl acetate	12.285	43	298956	49.630	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	208522	46.003	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	168362m	50.504	ug/l	
77) Bromobenzene	12.755	156	277067	50.851	ug/l	96
78) n-propylbenzene	12.814	91	1636726	53.290	ug/l	100
79) 2-Chlorotoluene	12.902	91	906005	52.055	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	1076475	52.985	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	66376	48.957	ug/l	98
82) 4-Chlorotoluene	12.996	91	950787	52.507	ug/l	98
83) tert-Butylbenzene	13.214	119	937807	55.698	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	1064215	53.251	ug/l	99
85) sec-Butylbenzene	13.396	105	1406171	53.374	ug/l	100
86) p-Isopropyltoluene	13.508	119	1162909	54.320	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	559984	50.613	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	550053	49.814	ug/l	99
89) n-Butylbenzene	13.832	91	1126180	53.617	ug/l	99
90) Hexachloroethane	14.102	117	219183	51.506	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	465753	49.191	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	33304	44.365	ug/l	99
93) 1,2,4-Trichlorobenzene	15.149	180	288001	52.069	ug/l	98
94) Hexachlorobutadiene	15.255	225	155500	51.559	ug/l	98
95) Naphthalene	15.385	128	509269	46.453	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	237843	50.168	ug/l	99

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

