

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069115.D
 Acq On : 07 May 2021 21:17
 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

sam
 5/10/2021 11:01:02 AM

Quant Time: May 08 00:11:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	265651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	444001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	468315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	234609	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	157245	45.93	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.86%		
35) Dibromofluoromethane	7.908	113	161392	53.01	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	106.02%		
50) Toluene-d8	10.337	98	588889	52.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.78%		
62) 4-Bromofluorobenzene	12.626	95	204264	55.25	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	110.50%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	133524	41.33	ug/l	95
3) Chloromethane	2.208	50	164870	41.47	ug/l	94
4) Vinyl Chloride	2.344	62	229753	43.70	ug/l	95
5) Bromomethane	2.756	94	153661	49.12	ug/l	94
6) Chloroethane	2.908	64	150217	49.13	ug/l	98
7) Trichlorofluoromethane	3.261	101	246142	42.63	ug/l	96
8) Diethyl Ether	3.703	74	70580	50.32	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.085	101	143024	46.26	ug/l	96
10) Methyl Iodide	4.291	142	128673	46.39	ug/l	92
11) Tert butyl alcohol	5.226	59	41067	171.91	ug/l #	91
12) 1,1-Dichloroethene	4.061	96	135098	48.53	ug/l	98
13) Acrolein	3.926	56	38295	186.66	ug/l	100
14) Allyl chloride	4.708	41	152879	42.62	ug/l	91
15) Acrylonitrile	5.420	53	144393	236.82	ug/l	99
16) Acetone	4.155	43	99691	202.67	ug/l	97
17) Carbon Disulfide	4.402	76	412063	43.78	ug/l	99
18) Methyl Acetate	4.708	43	64220	48.16	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	327934	51.54	ug/l	99
20) Methylene Chloride	4.961	84	186743	56.54	ug/l	90
21) trans-1,2-Dichloroethene	5.461	96	167702	50.70	ug/l	87
22) Diisopropyl ether	6.367	45	367378	45.88	ug/l #	90
23) Vinyl Acetate	6.302	43	1056389	230.76	ug/l	95
24) 1,1-Dichloroethane	6.261	63	263333	46.57	ug/l	98
25) 2-Butanone	7.208	43	160795	219.69	ug/l	93
26) 2,2-Dichloropropane	7.202	77	219215	41.50	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	181808	50.93	ug/l	93
28) Bromochloromethane	7.544	49	105590	46.25	ug/l	84
29) Tetrahydrofuran	7.567	42	104044	231.08	ug/l	93
30) Chloroform	7.708	83	302936	47.89	ug/l	99
31) Cyclohexane	7.985	56	199173	40.11	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	265460	45.96	ug/l	98
36) 1,1-Dichloropropene	8.108	75	213059	45.61	ug/l	94
37) Ethyl Acetate	7.291	43	74441	42.27	ug/l #	94
38) Carbon Tetrachloride	8.096	117	234989	46.38	ug/l	97
39) Methylcyclohexane	9.355	83	251304	49.20	ug/l	96
40) Benzene	8.349	78	635330	49.15	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	44890m	43.96	ug/l	
42) 1,2-Dichloroethane	8.420	62	188089	46.55	ug/l	97
43) Isopropyl Acetate	8.449	43	148832	45.07	ug/l	95
44) Trichloroethene	9.108	130	178286	51.88	ug/l	95
45) 1,2-Dichloropropane	9.385	63	154132	48.43	ug/l	97
46) Dibromomethane	9.473	93	95435	52.17	ug/l	94
47) Bromodichloromethane	9.661	83	240620	50.03	ug/l	96
48) Methyl methacrylate	9.461	41	71499	43.92	ug/l	88
49) 1,4-Dioxane	9.455	88	22769	1076.51	ug/l #	91
51) 4-Methyl-2-Pentanone	10.226	43	400909	237.17	ug/l	95
52) Toluene	10.402	92	424646	51.77	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	211498	50.60	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	247034	49.99	ug/l	94
55) 1,1,2-Trichloroethane	10.796	97	131728	54.23	ug/l	93
56) Ethyl methacrylate	10.661	69	148584	50.76	ug/l	93
57) 1,3-Dichloropropane	10.943	76	212154	51.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.943	63	386799	274.99	ug/l	96
59) 2-Hexanone	10.979	43	269465	236.18	ug/l	92
60) Dibromochloromethane	11.137	129	170951	52.89	ug/l	98
61) 1,2-Dibromoethane	11.243	107	131839	55.91	ug/l	95
64) Tetrachloroethene	10.873	164	148477	49.19	ug/l	97
65) Chlorobenzene	11.667	112	465961	48.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	180632	49.94	ug/l	98
67) Ethyl Benzene	11.743	91	809544	47.77	ug/l	99
68) m/p-Xylenes	11.849	106	632721	99.30	ug/l	95
69) o-Xylene	12.179	106	296772	51.95	ug/l	95
70) Styrene	12.190	104	515329	51.08	ug/l	98
71) Bromoform	12.355	173	96091	51.83	ug/l #	96
73) Isopropylbenzene	12.473	105	784338	48.30	ug/l	99
74) N-amyl acetate	12.284	43	141141	41.39	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.726	83	146117	45.90	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	107083m	52.43	ug/l	
77) Bromobenzene	12.755	156	194037	51.61	ug/l	90
78) n-propylbenzene	12.814	91	927742	46.51	ug/l	98
79) 2-Chlorotoluene	12.902	91	522557	46.97	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	665775	48.16	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	43768	46.63	ug/l	89
82) 4-Chlorotoluene	13.002	91	552627	46.40	ug/l	98
83) tert-Butylbenzene	13.220	119	560047	49.71	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	675254	48.89	ug/l	99
85) sec-Butylbenzene	13.396	105	792986	48.63	ug/l	99
86) p-Isopropyltoluene	13.508	119	727310	48.32	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	369558	48.98	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	364046	48.96	ug/l	97
89) n-Butylbenzene	13.837	91	665989	46.63	ug/l	98
90) Hexachloroethane	14.102	117	139856	45.20	ug/l	90
91) 1,2-Dichlorobenzene	13.884	146	319760	48.74	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	23014	43.95	ug/l	79
93) 1,2,4-Trichlorobenzene	15.155	180	214520	55.13	ug/l	98
94) Hexachlorobutadiene	15.261	225	113351	50.30	ug/l	99
95) Naphthalene	15.390	128	439799	54.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	186941	55.62	ug/l	98

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

