

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069642.D
 Acq On : 08 Jul 2021 21:18
 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

MMDadoda
 7/9/2021 5:44:09 PM

Quant Time: Jul 09 01:06:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	539924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	954465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	929707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	437505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	337134	50.094	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.180%			
35) Dibromofluoromethane	7.914	113	334690	51.874	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.740%			
50) Toluene-d8	10.338	98	1245119	51.449	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.626	95	432669	54.381	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	203549	39.304	ug/l	98
3) Chloromethane	2.209	50	314508	41.518	ug/l	98
4) Vinyl Chloride	2.350	62	339266	40.176	ug/l	100
5) Bromomethane	2.761	94	244167	48.202	ug/l	97
6) Chloroethane	2.920	64	244304	43.432	ug/l	97
7) Trichlorofluoromethane	3.273	101	459214	45.792	ug/l	96
8) Diethyl Ether	3.708	74	138166	52.084	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.097	101	284758	46.425	ug/l	96
10) Methyl Iodide	4.297	142	248915	44.499	ug/l	98
11) Tert butyl alcohol	5.208	59	111034	330.038	ug/l #	93
12) 1,1-Dichloroethene	4.067	96	256208	48.054	ug/l	98
13) Acrolein	3.920	56	46338	123.702	ug/l	95
14) Allyl chloride	4.714	41	412574	55.197	ug/l	91
15) Acrylonitrile	5.420	53	317975	285.547	ug/l	100
16) Acetone	4.155	43	239922	211.800	ug/l	96
17) Carbon Disulfide	4.408	76	796074	45.350	ug/l	100
18) Methyl Acetate	4.720	43	160580	57.516	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	559862	53.431	ug/l	97
20) Methylene Chloride	4.961	84	440670	62.735	ug/l	97
21) trans-1,2-Dichloroethene	5.479	96	326086	50.693	ug/l	91
22) Diisopropyl ether	6.361	45	905900	60.146	ug/l	96
23) Vinyl Acetate	6.308	43	2441614	254.524	ug/l	99
24) 1,1-Dichloroethane	6.267	63	638009	53.479	ug/l	99
25) 2-Butanone	7.208	43	382333	265.610	ug/l	93
26) 2,2-Dichloropropane	7.208	77	471108	48.303	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	371251	53.116	ug/l	100
28) Bromochloromethane	7.544	49	278353	59.571	ug/l	95
29) Tetrahydrofuran	7.561	42	227448	288.211	ug/l	97
30) Chloroform	7.708	83	665109	52.740	ug/l	99
31) Cyclohexane	7.985	56	407962	45.021	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	530144	51.013	ug/l	96
36) 1,1-Dichloropropene	8.114	75	450860	48.130	ug/l	99
37) Ethyl Acetate	7.291	43	184767	53.152	ug/l	100
38) Carbon Tetrachloride	8.096	117	435756	47.002	ug/l	99
39) Methylcyclohexane	9.355	83	424618	45.952	ug/l	98
40) Benzene	8.349	78	1402767	51.944	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	107245	53.015	ug/l	89
42) 1,2-Dichloroethane	8.426	62	400043	50.988	ug/l	99
43) Isopropyl Acetate	8.449	43	338588	53.616	ug/l	98
44) Trichloroethene	9.108	130	337734	49.561	ug/l	94
45) 1,2-Dichloropropane	9.385	63	381735	55.066	ug/l	99
46) Dibromomethane	9.473	93	190199	52.387	ug/l	96
47) Bromodichloromethane	9.661	83	500639	51.351	ug/l	100
48) Methyl methacrylate	9.449	41	160363	53.454	ug/l	98
49) 1,4-Dioxane	9.461	88	37039	1035.623	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	939241	282.826	ug/l	99
52) Toluene	10.402	92	891792	53.516	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	424366	50.343	ug/l	100
54) cis-1,3-Dichloropropene	10.085	75	514010	50.708	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	273012	53.250	ug/l	99
56) Ethyl methacrylate	10.661	69	299928	49.773	ug/l	97
57) 1,3-Dichloropropane	10.943	76	468849	54.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	834016	263.826	ug/l	98
59) 2-Hexanone	10.979	43	619507	276.441	ug/l	99
60) Dibromochloromethane	11.137	129	319476	52.869	ug/l	99
61) 1,2-Dibromoethane	11.243	107	244423	51.706	ug/l	97
64) Tetrachloroethene	10.873	164	267011	45.733	ug/l	97
65) Chlorobenzene	11.667	112	918274	49.660	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.737	131	334014	49.685	ug/l	98
67) Ethyl Benzene	11.737	91	1639571	50.759	ug/l	100
68) m/p-Xylenes	11.849	106	1270777	104.486	ug/l	100
69) o-Xylene	12.173	106	575447	52.782	ug/l	97
70) Styrene	12.190	104	1041642	54.242	ug/l	100
71) Bromoform	12.355	173	168370	49.422	ug/l #	99
73) Isopropylbenzene	12.473	105	1544463	51.237	ug/l	99
74) N-amyl acetate	12.284	43	320421	52.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	308164	50.898	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	214967m	50.054	ug/l	
77) Bromobenzene	12.755	156	346489	50.619	ug/l	96
78) n-propylbenzene	12.814	91	1948355	51.497	ug/l	99
79) 2-Chlorotoluene	12.902	91	1119771	51.807	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	1320048	52.037	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	78164	45.443	ug/l	97
82) 4-Chlorotoluene	12.996	91	1189608	51.334	ug/l	100
83) tert-Butylbenzene	13.214	119	1037833	45.854	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	1341443	53.194	ug/l	99
85) sec-Butylbenzene	13.390	105	1593988	50.398	ug/l	99
86) p-Isopropyltoluene	13.508	119	1359526	51.066	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	697365	49.745	ug/l	100
88) 1,4-Dichlorobenzene	13.584	146	678422	48.575	ug/l	99
89) n-Butylbenzene	13.831	91	1311322	49.376	ug/l	100
90) Hexachloroethane	14.102	117	249399	47.923	ug/l	98
91) 1,2-Dichlorobenzene	13.879	146	610538	50.343	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	43530	47.384	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	342291	50.596	ug/l	100
94) Hexachlorobutadiene	15.255	225	192400	45.326	ug/l	100
95) Naphthalene	15.390	128	634947	46.816	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	300232	50.348	ug/l	99

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

