

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012121\
 Data File : VD068145.D
 Acq On : 21 Jan 2021 20:51
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/22/2021 5:04:04 PM

Quant Time: Jan 22 00:13:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	379519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	693723	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	629826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	286872	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	183956	50.67	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	101.34%		
35) Dibromofluoromethane	7.920	113	186211	48.55	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.10%		
50) Toluene-d8	10.344	98	682272	44.47	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.94%		
62) 4-Bromofluorobenzene	12.632	95	250070	45.26	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.52%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	218223	48.40	ug/l	96
3) Chloromethane	2.209	50	271749	55.97	ug/l	98
4) Vinyl Chloride	2.350	62	302199	55.96	ug/l	98
5) Bromomethane	2.773	94	203409	54.93	ug/l	100
6) Chloroethane	2.926	64	193882	58.77	ug/l	99
7) Trichlorofluoromethane	3.279	101	354681	50.04	ug/l	99
8) Diethyl Ether	3.709	74	118215	56.64	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.103	101	209573	50.69	ug/l	94
10) Methyl Iodide	4.303	142	226022	48.82	ug/l	94
11) Tert butyl alcohol	5.220	59	71779	209.70	ug/l	96
12) 1,1-Dichloroethene	4.073	96	213237	51.28	ug/l	89
13) Acrolein	3.926	56	74606	260.77	ug/l	99
14) Allyl chloride	4.720	41	331900	54.88	ug/l	96
15) Acrylonitrile	5.420	53	246092	297.68	ug/l	99
16) Acetone	4.156	43	175251	270.35	ug/l	96
17) Carbon Disulfide	4.415	76	694615	51.87	ug/l	100
18) Methyl Acetate	4.726	43	103857	61.73	ug/l	91
19) Methyl tert-butyl Ether	5.479	73	551917	57.41	ug/l #	90
20) Methylene Chloride	4.973	84	260644	58.27	ug/l #	87
21) trans-1,2-Dichloroethene	5.473	96	258000	54.05	ug/l	87
22) Diisopropyl ether	6.361	45	703266	57.63	ug/l #	92
23) Vinyl Acetate	6.309	43	1933961	297.29	ug/l	97
24) 1,1-Dichloroethane	6.267	63	447194	56.55	ug/l	99
25) 2-Butanone	7.208	43	284121	291.09	ug/l	95
26) 2,2-Dichloropropane	7.214	77	378831	50.63	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	292344	56.41	ug/l	93
28) Bromochloromethane	7.550	49	144169	53.51	ug/l #	74
29) Tetrahydrofuran	7.567	42	186145	294.19	ug/l	92
30) Chloroform	7.714	83	450199	56.34	ug/l	96
31) Cyclohexane	7.991	56	381182	48.49	ug/l	86
32) 1,1,1-Trichloroethane	7.908	97	386686	53.70	ug/l	96
36) 1,1-Dichloropropene	8.114	75	345697	49.42	ug/l	97
37) Ethyl Acetate	7.291	43	134184	54.22	ug/l	96
38) Carbon Tetrachloride	8.097	117	319790	48.84	ug/l	99
39) Methylcyclohexane	9.355	83	431738	47.21	ug/l	97
40) Benzene	8.355	78	1026132	52.46	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	75691	50.68	ug/l	96
42) 1,2-Dichloroethane	8.426	62	287251	54.96	ug/l	97
43) Isopropyl Acetate	8.455	43	276259	53.57	ug/l	95
44) Trichloroethene	9.114	130	271339	50.51	ug/l	97
45) 1,2-Dichloropropane	9.391	63	252309	52.67	ug/l	95
46) Dibromomethane	9.479	93	132850	54.74	ug/l	93
47) Bromodichloromethane	9.667	83	355169	54.23	ug/l	99
48) Methyl methacrylate	9.461	41	131337	51.17	ug/l	97
49) 1,4-Dioxane	9.473	88	30373	1067.86	ug/l #	89
51) 4-Methyl-2-Pentanone	10.232	43	663646	276.84	ug/l	97
52) Toluene	10.408	92	656137	51.48	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	349178	52.68	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	411219	52.11	ug/l	95
55) 1,1,2-Trichloroethane	10.802	97	182477	53.05	ug/l	93
56) Ethyl methacrylate	10.661	69	245854	53.66	ug/l #	93
57) 1,3-Dichloropropane	10.949	76	329654	54.32	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	571810	270.43	ug/l	92
59) 2-Hexanone	10.985	43	448293	269.78	ug/l	96
60) Dibromochloromethane	11.144	129	230323	53.41	ug/l	100
61) 1,2-Dibromoethane	11.249	107	179087	52.77	ug/l	99
64) Tetrachloroethene	10.879	164	213619	48.12	ug/l	96
65) Chlorobenzene	11.673	112	687290	51.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	244351	51.91	ug/l	98
67) Ethyl Benzene	11.744	91	1260806	50.88	ug/l	96
68) m/p-Xylenes	11.855	106	948507	101.40	ug/l	98
69) o-Xylene	12.179	106	446005	51.34	ug/l	98
70) Styrene	12.196	104	765957	51.65	ug/l	98
71) Bromoform	12.361	173	125422	52.57	ug/l #	99
73) Isopropylbenzene	12.479	105	1184038	49.60	ug/l	99
74) N-amyl acetate	12.291	43	262790	52.96	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.732	83	201477	53.07	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	133060m	47.97	ug/l	
77) Bromobenzene	12.761	156	261867	51.17	ug/l	86
78) n-propylbenzene	12.820	91	1395359	49.41	ug/l	97
79) 2-Chlorotoluene	12.908	91	800620	50.49	ug/l	95
80) 1,3,5-Trimethylbenzene	12.961	105	990374	49.82	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.532	75	67867	49.51	ug/l	96
82) 4-Chlorotoluene	13.008	91	827806	50.21	ug/l	97
83) tert-Butylbenzene	13.226	119	816992	48.50	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	983515	49.84	ug/l	98
85) sec-Butylbenzene	13.402	105	1153829	48.97	ug/l	97
86) p-Isopropyltoluene	13.514	119	1033437	48.22	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	499386	50.75	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	489377	50.48	ug/l	98
89) n-Butylbenzene	13.843	91	1001321	48.68	ug/l	98
90) Hexachloroethane	14.114	117	192419	49.70	ug/l	90
91) 1,2-Dichlorobenzene	13.890	146	433563	51.44	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	32063	51.60	ug/l	82
93) 1,2,4-Trichlorobenzene	15.161	180	287932	49.83	ug/l	97
94) Hexachlorobutadiene	15.267	225	150923	47.12	ug/l	97
95) Naphthalene	15.402	128	561289	51.81	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	249168	51.13	ug/l	98

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

