

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011321\
 Data File : VD068060.D
 Acq On : 13 Jan 2021 09:56
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 13 12:21:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 13 03:57:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	537815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	813898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	754762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.579	152	355448	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	205723	44.99	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.98%
35) Dibromofluoromethane	7.914	113	229970	49.57	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.14%
50) Toluene-d8	10.344	98	808334	47.28	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.56%
62) 4-Bromofluorobenzene	12.632	95	291831	48.72	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.44%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	249808	52.36	ug/l	97
3) Chloromethane	2.209	50	212448	48.23	ug/l	100
4) Vinyl Chloride	2.350	62	240858	49.97	ug/l	97
5) Bromomethane	2.774	94	180056	47.98	ug/l	95
6) Chloroethane	2.921	64	146470	48.38	ug/l	99
7) Trichlorofluoromethane	3.273	101	462852	48.59	ug/l	98
8) Diethyl Ether	3.709	74	108333	47.37	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.097	101	255523	49.29	ug/l	100
10) Methyl Iodide	4.303	142	251060	47.25	ug/l	98
11) Tert butyl alcohol	5.215	59	63099	223.87	ug/l #	87
12) 1,1-Dichloroethene	4.073	96	240012	48.86	ug/l	95
13) Acrolein	3.926	56	80966	226.28	ug/l	99
14) Allyl chloride	4.715	41	284491	49.73	ug/l	98
15) Acrylonitrile	5.426	53	220124	249.83	ug/l	97
16) Acetone	4.156	43	217474	300.06	ug/l	90
17) Carbon Disulfide	4.409	76	701500	48.10	ug/l	98
18) Methyl Acetate	4.720	43	85097	44.90	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	495968	49.30	ug/l	95
20) Methylene Chloride	4.962	84	270651	46.82	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	268401	48.76	ug/l	97
22) Diisopropyl ether	6.362	45	578919	50.88	ug/l #	95
23) Vinyl Acetate	6.309	43	1551631	261.47	ug/l	99
24) 1,1-Dichloroethane	6.262	63	413698	48.02	ug/l	98
25) 2-Butanone	7.214	43	241059	259.90	ug/l	96
26) 2,2-Dichloropropane	7.214	77	417417	48.76	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	295522	49.73	ug/l	98
28) Bromochloromethane	7.544	49	133199	46.19	ug/l	96
29) Tetrahydrofuran	7.562	42	148230	249.43	ug/l	99
30) Chloroform	7.714	83	480664	49.13	ug/l	94
31) Cyclohexane	7.985	56	364753	47.84	ug/l	98
32) 1,1,1-Trichloroethane	7.909	97	465278	49.08	ug/l	99
36) 1,1-Dichloropropene	8.109	75	363164	50.77	ug/l	99
37) Ethyl Acetate	7.297	43	108488	49.66	ug/l	99
38) Carbon Tetrachloride	8.097	117	430013	50.43	ug/l	99
39) Methylcyclohexane	9.356	83	451565	52.37	ug/l	98
40) Benzene	8.350	78	1017366	50.61	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	67517	54.95	ug/l	96
42) 1,2-Dichloroethane	8.426	62	275380	48.71	ug/l	99
43) Isopropyl Acetate	8.456	43	211769	51.53	ug/l	99
44) Trichloroethene	9.114	130	307510	49.83	ug/l	89
45) 1,2-Dichloropropane	9.391	63	231392	50.30	ug/l	97
46) Dibromomethane	9.479	93	135811	50.13	ug/l	97
47) Bromodichloromethane	9.667	83	369779	50.43	ug/l	99
48) Methyl methacrylate	9.456	41	109828	51.65	ug/l	96
49) 1,4-Dioxane	9.461	88	29979	1030.80	ug/l	97
51) 4-Methyl-2-Pentanone	10.232	43	536710	260.69	ug/l	100
52) Toluene	10.403	92	684009	50.76	ug/l	98
53) t-1,3-Dichloropropene	10.626	75	326579	50.71	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	381877	49.75	ug/l	97
55) 1,1,2-Trichloroethane	10.803	97	190776	49.67	ug/l	96
56) Ethyl methacrylate	10.661	69	216313	54.64	ug/l	97
57) 1,3-Dichloropropane	10.950	76	317334	51.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	510917	257.59	ug/l	99
59) 2-Hexanone	10.985	43	404868	283.31	ug/l	99
60) Dibromochloromethane	11.144	129	265254	50.37	ug/l	99
61) 1,2-Dibromoethane	11.250	107	185440	50.53	ug/l	99
64) Tetrachloroethene	10.879	164	265224	49.49	ug/l	97
65) Chlorobenzene	11.673	112	733704	49.38	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.744	131	278638	49.37	ug/l	100
67) Ethyl Benzene	11.750	91	1328060	51.77	ug/l	99
68) m/p-Xylenes	11.855	106	1027275	102.58	ug/l	100
69) o-Xylene	12.185	106	473371	52.20	ug/l	92
70) Styrene	12.197	104	797810	50.91	ug/l	100
71) Bromoform	12.361	173	150996	50.17	ug/l #	98
73) Isopropylbenzene	12.479	105	1316075	54.28	ug/l	100
74) N-amyl acetate	12.291	43	196064	52.04	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.732	83	191365	50.10	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	126361m	44.87	ug/l	
77) Bromobenzene	12.761	156	301819	51.55	ug/l	99
78) n-propylbenzene	12.820	91	1504496	52.94	ug/l	100
79) 2-Chlorotoluene	12.908	91	845851	52.43	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	1105023	53.05	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.532	75	62679	49.94	ug/l	98
82) 4-Chlorotoluene	13.008	91	895659	52.18	ug/l	99
83) tert-Butylbenzene	13.226	119	940728	53.72	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	1100522	53.95	ug/l	99
85) sec-Butylbenzene	13.402	105	1293341	52.69	ug/l	100
86) p-Isopropyltoluene	13.514	119	1214107	53.30	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	573865	50.81	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	575925	50.52	ug/l	99
89) n-Butylbenzene	13.844	91	1094863	53.40	ug/l	99
90) Hexachloroethane	14.114	117	226705	51.41	ug/l	99
91) 1,2-Dichlorobenzene	13.891	146	506969	51.71	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	30288	48.95	ug/l	97
93) 1,2,4-Trichlorobenzene	15.161	180	350881	52.54	ug/l	99
94) Hexachlorobutadiene	15.267	225	227603	53.26	ug/l	98
95) Naphthalene	15.402	128	594071	53.66	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	306573	53.47	ug/l	95

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

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