

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012021\
 Data File : VD068124.D
 Acq On : 20 Jan 2021 20:16
 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
 1/21/2021 10:39:34 AM

Quant Time: Jan 20 23:48:44 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	421234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	745136	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	683791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	311427	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	203390	50.47	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.94%			
35) Dibromofluoromethane	7.920	113	205270	49.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.66%			
50) Toluene-d8	10.344	98	754675	45.80	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.60%			
62) 4-Bromofluorobenzene	12.632	95	278345	46.91	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.82%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	231905	46.35	ug/l	97
3) Chloromethane	2.209	50	279117	51.80	ug/l	96
4) Vinyl Chloride	2.350	62	309082	51.57	ug/l	100
5) Bromomethane	2.774	94	219821	53.48	ug/l	98
6) Chloroethane	2.926	64	198920	54.33	ug/l	99
7) Trichlorofluoromethane	3.279	101	379024	48.18	ug/l	98
8) Diethyl Ether	3.709	74	123924	53.50	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.097	101	218966	47.72	ug/l	95
10) Methyl Iodide	4.303	142	230487	45.11	ug/l	94
11) Tert butyl alcohol	5.220	59	99575	284.03	ug/l	100
12) 1,1-Dichloroethene	4.068	96	227865	49.38	ug/l	96
13) Acrolein	3.926	56	83795	263.88	ug/l	99
14) Allyl chloride	4.720	41	341713	50.91	ug/l	95
15) Acrylonitrile	5.426	53	257454	280.58	ug/l	99
16) Acetone	4.162	43	188422	261.88	ug/l	95
17) Carbon Disulfide	4.415	76	725728	48.83	ug/l	98
18) Methyl Acetate	4.720	43	104386	55.90	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	578992	54.27	ug/l	94
20) Methylene Chloride	4.968	84	281395	56.56	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	267744	50.54	ug/l	93
22) Diisopropyl ether	6.367	45	721792	53.29	ug/l	94
23) Vinyl Acetate	6.309	43	2009556	278.32	ug/l	98
24) 1,1-Dichloroethane	6.267	63	458175	52.20	ug/l	100
25) 2-Butanone	7.214	43	301142	277.97	ug/l	96
26) 2,2-Dichloropropane	7.214	77	396501	47.75	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	302509	52.59	ug/l	94
28) Bromochloromethane	7.550	49	156681	52.40	ug/l #	77
29) Tetrahydrofuran	7.561	42	194430	276.85	ug/l	93
30) Chloroform	7.714	83	466043	52.55	ug/l	98
31) Cyclohexane	7.985	56	401356	46.00	ug/l	92
32) 1,1,1-Trichloroethane	7.909	97	402829	50.40	ug/l	95
36) 1,1-Dichloropropene	8.114	75	360472	47.97	ug/l	96
37) Ethyl Acetate	7.291	43	142337	53.55	ug/l	95
38) Carbon Tetrachloride	8.097	117	337994	48.06	ug/l	97
39) Methylcyclohexane	9.356	83	451214	45.93	ug/l	96
40) Benzene	8.356	78	1039223	49.46	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	80941	50.46	ug/l	97
42) 1,2-Dichloroethane	8.426	62	296506	52.82	ug/l	98
43) Isopropyl Acetate	8.456	43	291092	52.55	ug/l	95
44) Trichloroethene	9.114	130	279657	48.47	ug/l	100
45) 1,2-Dichloropropane	9.391	63	261810	50.89	ug/l	96
46) Dibromomethane	9.479	93	136462	52.34	ug/l	94
47) Bromodichloromethane	9.667	83	366565	52.11	ug/l	98
48) Methyl methacrylate	9.456	41	138293	50.16	ug/l	96
49) 1,4-Dioxane	9.461	88	31132	1019.03	ug/l #	86
51) 4-Methyl-2-Pentanone	10.232	43	700243	271.95	ug/l	96
52) Toluene	10.408	92	674185	49.25	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	364548	51.20	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	433208	51.11	ug/l	94
55) 1,1,2-Trichloroethane	10.803	97	191220	51.76	ug/l	96
56) Ethyl methacrylate	10.661	69	258660	52.56	ug/l	93
57) 1,3-Dichloropropane	10.950	76	339206	52.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	612833	269.84	ug/l	92
59) 2-Hexanone	10.985	43	472849	264.92	ug/l	96
60) Dibromochloromethane	11.144	129	242043	52.25	ug/l	100
61) 1,2-Dibromoethane	11.250	107	190190	52.17	ug/l	99
64) Tetrachloroethene	10.879	164	220099	45.67	ug/l	97
65) Chlorobenzene	11.673	112	702746	48.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	252406	49.39	ug/l	97
67) Ethyl Benzene	11.750	91	1304475	48.49	ug/l	96
68) m/p-Xylenes	11.855	106	966377	95.15	ug/l	98
69) o-Xylene	12.179	106	456283	48.38	ug/l	98
70) Styrene	12.197	104	794653	49.36	ug/l	98
71) Bromoform	12.361	173	134573	51.95	ug/l #	98
73) Isopropylbenzene	12.479	105	1212537	46.79	ug/l	100
74) N-amyl acetate	12.291	43	276008	51.24	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.732	83	212609	51.58	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	162140m	53.85	ug/l	
77) Bromobenzene	12.761	156	268801	48.38	ug/l	85
78) n-propylbenzene	12.820	91	1418319	46.26	ug/l	97
79) 2-Chlorotoluene	12.908	91	810523	47.09	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	1002019	46.43	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	73585	49.45	ug/l	94
82) 4-Chlorotoluene	13.008	91	851401	47.57	ug/l	97
83) tert-Butylbenzene	13.226	119	846355	46.28	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	1012078	47.24	ug/l	99
85) sec-Butylbenzene	13.402	105	1169085	45.70	ug/l	99
86) p-Isopropyltoluene	13.514	119	1075426	46.22	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	518200	48.51	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	509356	48.40	ug/l	98
89) n-Butylbenzene	13.844	91	1019302	45.65	ug/l	99
90) Hexachloroethane	14.114	117	198303	47.18	ug/l	90
91) 1,2-Dichlorobenzene	13.891	146	452325	49.44	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	33930	50.30	ug/l	83
93) 1,2,4-Trichlorobenzene	15.161	180	302337	48.20	ug/l	99
94) Hexachlorobutadiene	15.267	225	160938	46.28	ug/l	97
95) Naphthalene	15.396	128	595047	50.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.590	180	259672	49.08	ug/l	99

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

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