

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051221\
 Data File : VD069145.D
 Acq On : 12 May 2021 19:22
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/13/2021 4:06:15 PM

Quant Time: May 13 04:19:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	291042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	489820	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	470025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	230746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	152985	52.43	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.86%			
35) Dibromofluoromethane	7.914	113	164244	51.53	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.06%			
50) Toluene-d8	10.338	98	590142	50.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.78%			
62) 4-Bromofluorobenzene	12.626	95	193750	51.41	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.82%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	135183	43.69	ug/l	99
3) Chloromethane	2.209	50	172755	48.58	ug/l	97
4) Vinyl Chloride	2.350	62	214599	45.78	ug/l	100
5) Bromomethane	2.767	94	152744	43.32	ug/l	97
6) Chloroethane	2.920	64	142381	47.22	ug/l	95
7) Trichlorofluoromethane	3.273	101	250703	43.84	ug/l	98
8) Diethyl Ether	3.709	74	71639	54.87	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	142646	44.01	ug/l	98
10) Methyl Iodide	4.303	142	159937	47.47	ug/l	98
11) Tert butyl alcohol	5.220	59	46648	318.14	ug/l	100
12) 1,1-Dichloroethene	4.067	96	139274	47.83	ug/l	93
13) Acrolein	3.926	56	63887	269.12	ug/l	99
14) Allyl chloride	4.714	41	162036	50.73	ug/l	98
15) Acrylonitrile	5.420	53	132237	271.39	ug/l	99
16) Acetone	4.156	43	102284	228.89	ug/l	92
17) Carbon Disulfide	4.409	76	452785	46.91	ug/l	97
18) Methyl Acetate	4.714	43	55814	51.41	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	290338	54.95	ug/l	97
20) Methylene Chloride	4.967	84	221874	63.47	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	171051	49.55	ug/l	97
22) Diisopropyl ether	6.367	45	344607	54.01	ug/l	97
23) Vinyl Acetate	6.308	43	1064834	282.83	ug/l	100
24) 1,1-Dichloroethane	6.261	63	280337	50.87	ug/l	98
25) 2-Butanone	7.214	43	161812	267.22	ug/l	95
26) 2,2-Dichloropropane	7.208	77	244927	47.52	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	195196	52.07	ug/l	95
28) Bromochloromethane	7.544	49	101436	51.63	ug/l	99
29) Tetrahydrofuran	7.561	42	92917	282.28	ug/l	98
30) Chloroform	7.708	83	311986	50.28	ug/l	98
31) Cyclohexane	7.985	56	195678	45.25	ug/l	91
32) 1,1,1-Trichloroethane	7.908	97	273070	48.51	ug/l	99
36) 1,1-Dichloropropene	8.108	75	225438	47.34	ug/l	99
37) Ethyl Acetate	7.291	43	74547	48.72	ug/l #	95
38) Carbon Tetrachloride	8.097	117	242022	45.46	ug/l	99
39) Methylcyclohexane	9.355	83	229513	45.69	ug/l	96
40) Benzene	8.350	78	671420	49.22	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	41691	51.19	ug/l #	71
42) 1,2-Dichloroethane	8.426	62	185541	49.81	ug/l	100
43) Isopropyl Acetate	8.455	43	146076	52.58	ug/l	98
44) Trichloroethene	9.114	130	184631	48.43	ug/l	92
45) 1,2-Dichloropropane	9.391	63	158294	49.16	ug/l	98
46) Dibromomethane	9.473	93	96324	50.05	ug/l	100
47) Bromodichloromethane	9.661	83	241144	49.24	ug/l	99
48) Methyl methacrylate	9.455	41	66032	51.39	ug/l	93
49) 1,4-Dioxane	9.461	88	20461	1090.76	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	377716	264.23	ug/l	97
52) Toluene	10.402	92	440834	50.07	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	214199	49.77	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	253816	49.34	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	133148	51.33	ug/l	99
56) Ethyl methacrylate	10.661	69	143172	50.57	ug/l	98
57) 1,3-Dichloropropane	10.944	76	213434	50.91	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	362667	282.41	ug/l	100
59) 2-Hexanone	10.985	43	259355	271.89	ug/l	99
60) Dibromochloromethane	11.138	129	167788	50.36	ug/l	100
61) 1,2-Dibromoethane	11.243	107	126726	49.43	ug/l	98
64) Tetrachloroethene	10.873	164	150114	45.95	ug/l	96
65) Chlorobenzene	11.667	112	475013	48.76	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	177856	48.41	ug/l	99
67) Ethyl Benzene	11.743	91	832207	49.64	ug/l	96
68) m/p-Xylenes	11.849	106	655049	99.70	ug/l	99
69) o-Xylene	12.179	106	302847	51.83	ug/l	99
70) Styrene	12.190	104	529770	51.94	ug/l	99
71) Bromoform	12.355	173	96438	50.47	ug/l #	99
73) Isopropylbenzene	12.479	105	780266	48.38	ug/l	99
74) N-amyl acetate	12.285	43	136572	51.78	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	142697	48.83	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	89204m	51.43	ug/l	
77) Bromobenzene	12.755	156	195416	51.06	ug/l	98
78) n-propylbenzene	12.820	91	957216	49.19	ug/l	99
79) 2-Chlorotoluene	12.902	91	533386	49.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.955	105	664351	49.96	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	43629	50.81	ug/l	94
82) 4-Chlorotoluene	13.002	91	560358	48.58	ug/l	99
83) tert-Butylbenzene	13.220	119	551503	49.77	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	670441	50.12	ug/l	99
85) sec-Butylbenzene	13.396	105	802854	48.18	ug/l	99
86) p-Isopropyltoluene	13.508	119	716273	48.92	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	372974	48.15	ug/l	100
88) 1,4-Dichlorobenzene	13.590	146	364726	47.54	ug/l	99
89) n-Butylbenzene	13.837	91	640145	46.93	ug/l	100
90) Hexachloroethane	14.102	117	130020	47.39	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	321894	48.39	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	21263	46.87	ug/l	96
93) 1,2,4-Trichlorobenzene	15.155	180	190874	46.82	ug/l	99
94) Hexachlorobutadiene	15.261	225	107993	44.14	ug/l	96
95) Naphthalene	15.396	128	365271	48.44	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	168240	48.24	ug/l	96

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

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