

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051021\
 Data File : VD069119.D
 Acq On : 10 May 2021 13:22
 Operator : VA/SY
 Sample : VD0510SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0510SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 10:36:27 AM

Quant Time: May 10 16:10:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	260793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	440161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	437955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	222088	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	159349	47.41	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.82%		
35) Dibromofluoromethane	7.914	113	165148	54.71	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	109.42%		
50) Toluene-d8	10.338	98	601952	54.02	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.04%		
62) 4-Bromofluorobenzene	12.632	95	203529	55.53	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	111.06%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	59613	18.79	ug/l	87
3) Chloromethane	2.209	50	73784	18.90	ug/l	98
4) Vinyl Chloride	2.350	62	94220	18.25	ug/l	98
5) Bromomethane	2.750	94	73585	23.96	ug/l	94
6) Chloroethane	2.909	64	65525	21.83	ug/l	97
7) Trichlorofluoromethane	3.267	101	109772	19.37	ug/l	98
8) Diethyl Ether	3.709	74	28297	20.55	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.085	101	63101	20.79	ug/l	98
10) Methyl Iodide	4.297	142	50316	20.39	ug/l	93
11) Tert butyl alcohol	5.232	59	21802	57.54	ug/l #	81
12) 1,1-Dichloroethene	4.067	96	58326	21.34	ug/l	93
13) Acrolein	3.920	56	17749	88.12	ug/l	100
14) Allyl chloride	4.714	41	61353	17.42	ug/l	93
15) Acrylonitrile	5.420	53	58895	98.39	ug/l	99
16) Acetone	4.162	43	44969	78.27	ug/l	89
17) Carbon Disulfide	4.403	76	181296	19.62	ug/l	99
18) Methyl Acetate	4.714	43	23441	17.91	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	124563	19.94	ug/l	98
20) Methylene Chloride	4.967	84	84479	21.83	ug/l	91
21) trans-1,2-Dichloroethene	5.467	96	69181	21.30	ug/l	83
22) Diisopropyl ether	6.361	45	148886	18.94	ug/l #	92
23) Vinyl Acetate	6.308	43	409276	91.07	ug/l #	91
24) 1,1-Dichloroethane	6.261	63	111294	20.05	ug/l	99
25) 2-Butanone	7.214	43	61334	85.36	ug/l	100
26) 2,2-Dichloropropane	7.203	77	95760	18.47	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	74368	21.22	ug/l	94
28) Bromochloromethane	7.544	49	43672	19.48	ug/l	89
29) Tetrahydrofuran	7.567	42	40819	92.35	ug/l	91
30) Chloroform	7.708	83	127353	20.51	ug/l	96
31) Cyclohexane	7.985	56	87980	18.05	ug/l #	86
32) 1,1,1-Trichloroethane	7.908	97	111238	19.62	ug/l	100
36) 1,1-Dichloropropene	8.114	75	90310	19.50	ug/l	96
37) Ethyl Acetate	7.291	43	31861	18.25	ug/l #	80
38) Carbon Tetrachloride	8.097	117	99265	19.76	ug/l	96
39) Methylcyclohexane	9.355	83	101178	19.98	ug/l	94
40) Benzene	8.355	78	267712	20.89	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	18316m	18.09	ug/l	
42) 1,2-Dichloroethane	8.426	62	78195	19.52	ug/l	96
43) Isopropyl Acetate	8.450	43	56416	17.23	ug/l	90
44) Trichloroethene	9.114	130	76146	22.35	ug/l	91
45) 1,2-Dichloropropane	9.385	63	66602	21.11	ug/l	98
46) Dibromomethane	9.473	93	37490	20.67	ug/l	90
47) Bromodichloromethane	9.661	83	101567	21.30	ug/l	94
48) Methyl methacrylate	9.455	41	25480	15.79	ug/l #	82
49) 1,4-Dioxane	9.461	88	8415	401.33	ug/l	91
51) 4-Methyl-2-Pentanone	10.226	43	152410	90.95	ug/l	96
52) Toluene	10.402	92	173066	21.28	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	86532	20.88	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	101409	20.70	ug/l	95
55) 1,1,2-Trichloroethane	10.796	97	55545	23.07	ug/l	90
56) Ethyl methacrylate	10.661	69	52712	19.69	ug/l	94
57) 1,3-Dichloropropane	10.944	76	89693	22.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	149312	107.08	ug/l	95
59) 2-Hexanone	10.985	43	100155	88.55	ug/l	92
60) Dibromochloromethane	11.138	129	70272	21.93	ug/l	97
61) 1,2-Dibromoethane	11.243	107	53088	22.71	ug/l	94
64) Tetrachloroethene	10.873	164	59932	21.23	ug/l	97
65) Chlorobenzene	11.667	112	190344	21.30	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	72451	21.42	ug/l	97
67) Ethyl Benzene	11.743	91	316947	20.00	ug/l	98
68) m/p-Xylenes	11.849	106	256423	43.03	ug/l	93
69) o-Xylene	12.179	106	107855	20.19	ug/l	98
70) Styrene	12.191	104	202484	21.46	ug/l	97
71) Bromoform	12.361	173	39192	22.61	ug/l #	96
73) Isopropylbenzene	12.473	105	298085	19.39	ug/l	98
74) N-amyl acetate	12.285	43	52841	16.37	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.726	83	58444	19.39	ug/l	90
76) 1,2,3-Trichloropropane	12.779	75	47695m	24.67	ug/l	
77) Bromobenzene	12.755	156	78122	21.95	ug/l	91
78) n-propylbenzene	12.814	91	366611	19.41	ug/l	97
79) 2-Chlorotoluene	12.902	91	206671	19.63	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	261094	19.95	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	16837	18.95	ug/l	94
82) 4-Chlorotoluene	13.002	91	223843	19.85	ug/l	97
83) tert-Butylbenzene	13.220	119	206963	19.41	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	263002	20.11	ug/l	98
85) sec-Butylbenzene	13.396	105	298296	19.32	ug/l	98
86) p-Isopropyltoluene	13.508	119	279919	19.65	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	153559	21.50	ug/l	97
88) 1,4-Dichlorobenzene	13.590	146	154707	21.98	ug/l	99
89) n-Butylbenzene	13.837	91	253064	18.72	ug/l	99
90) Hexachloroethane	14.108	117	58506	19.98	ug/l	94
91) 1,2-Dichlorobenzene	13.885	146	132422	21.32	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8751	17.65	ug/l	82
93) 1,2,4-Trichlorobenzene	15.155	180	78645	21.35	ug/l	97
94) Hexachlorobutadiene	15.261	225	45684	21.41	ug/l	97
95) Naphthalene	15.390	128	139131	20.19	ug/l	98
96) 1,2,3-Trichlorobenzene	15.590	180	69957	21.99	ug/l	97

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

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