

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070749.D
 Acq On : 19 Oct 2021 10:47
 Operator : VA/SY
 Sample : VD1019SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1019SBS01

Quant Time: Oct 20 04:39:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	419887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	700812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	663373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	328118	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	249881	50.24	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.48%	
35) Dibromofluoromethane	7.914	113	230335	51.33	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.66%	
50) Toluene-d8	10.332	98	887162	51.57	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.14%	
62) 4-Bromofluorobenzene	12.626	95	304947	51.49	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.98%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.991	85	95398	19.43	ug/l 95
3) Chloromethane	2.209	50	141267	19.39	ug/l 98
4) Vinyl Chloride	2.350	62	148883	19.95	ug/l 97
5) Bromomethane	2.750	94	91711	20.15	ug/l 96
6) Chloroethane	2.914	64	92343	19.64	ug/l 100
7) Trichlorofluoromethane	3.273	101	169153	20.04	ug/l 98
8) Diethyl Ether	3.709	74	41163	18.31	ug/l 68
9) 1,1,2-Trichlorotrifluo...	4.097	101	104872	20.78	ug/l 99
10) Methyl Iodide	4.297	142	74979	16.69	ug/l 97
11) Tert butyl alcohol	5.214	59	24943	89.59	ug/l # 95
12) 1,1-Dichloroethene	4.067	96	85658	18.77	ug/l 92
13) Acrolein	3.920	56	24363	90.41	ug/l 92
14) Allyl chloride	4.720	41	166845	19.31	ug/l # 91
15) Acrylonitrile	5.414	53	114174	96.44	ug/l 99
16) Acetone	4.156	43	109709	91.46	ug/l 97
17) Carbon Disulfide	4.408	76	324675	19.52	ug/l 99
18) Methyl Acetate	4.714	43	81754	19.61	ug/l # 84
19) Methyl tert-butyl Ether	5.479	73	191422	19.40	ug/l 94
20) Methylene Chloride	4.956	84	147268	20.58	ug/l # 89
21) trans-1,2-Dichloroethene	5.467	96	104615	19.98	ug/l 94
22) Diisopropyl ether	6.361	45	346713	20.61	ug/l # 89
23) Vinyl Acetate	6.303	43	758906	95.91	ug/l # 94
24) 1,1-Dichloroethane	6.261	63	214093	20.43	ug/l 98
25) 2-Butanone	7.208	43	138543	93.49	ug/l # 82
26) 2,2-Dichloropropane	7.208	77	172963	20.87	ug/l 94
27) cis-1,2-Dichloroethene	7.208	96	113368	20.19	ug/l 92
28) Bromochloromethane	7.544	49	89278	21.43	ug/l 85
29) Tetrahydrofuran	7.555	42	85550	94.31	ug/l # 84
30) Chloroform	7.708	83	213492	20.85	ug/l 97
31) Cyclohexane	7.985	56	193288	19.21	ug/l 89
32) 1,1,1-Trichloroethane	7.897	97	180313	20.76	ug/l 94
36) 1,1-Dichloropropene	8.114	75	155427	19.91	ug/l 98
37) Ethyl Acetate	7.291	43	63188	19.54	ug/l 95
38) Carbon Tetrachloride	8.097	117	157093	21.01	ug/l 93
39) Methylcyclohexane	9.355	83	162755	18.49	ug/l 90
40) Benzene	8.349	78	452658	20.13	ug/l 96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	34232	18.07	ug/l #	80
42) 1,2-Dichloroethane	8.420	62	129466	20.29	ug/l	96
43) Isopropyl Acetate	8.449	43	117608	19.06	ug/l #	92
44) Trichloroethene	9.108	130	105305	19.94	ug/l	89
45) 1,2-Dichloropropane	9.385	63	123574	20.80	ug/l	98
46) Dibromomethane	9.473	93	57390	20.17	ug/l	96
47) Bromodichloromethane	9.661	83	158576	21.01	ug/l	96
48) Methyl methacrylate	9.449	41	58299	19.29	ug/l #	85
49) 1,4-Dioxane	9.461	88	11493	376.24	ug/l #	85
51) 4-Methyl-2-Pentanone	10.220	43	314633	96.75	ug/l	90
52) Toluene	10.402	92	281531	21.03	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	135597	20.12	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	167519	20.76	ug/l #	86
55) 1,1,2-Trichloroethane	10.796	97	75967	19.44	ug/l	94
56) Ethyl methacrylate	10.655	69	88191	19.37	ug/l #	80
57) 1,3-Dichloropropane	10.938	76	137389	19.82	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.938	63	212436	103.23	ug/l	92
59) 2-Hexanone	10.979	43	225991	98.73	ug/l	85
60) Dibromochloromethane	11.132	129	92293	20.55	ug/l	98
61) 1,2-Dibromoethane	11.238	107	70539	19.73	ug/l	99
64) Tetrachloroethene	10.873	164	88815	19.92	ug/l	97
65) Chlorobenzene	11.661	112	277211	20.38	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	100483	19.96	ug/l	95
67) Ethyl Benzene	11.738	91	495636	19.92	ug/l	95
68) m/p-Xylenes	11.849	106	390072	41.39	ug/l	99
69) o-Xylene	12.173	106	169760	19.86	ug/l	96
70) Styrene	12.185	104	300069	20.19	ug/l	96
71) Bromoform	12.349	173	50533	19.33	ug/l #	97
73) Isopropylbenzene	12.473	105	447424	19.14	ug/l	99
74) N-amyl acetate	12.279	43	112249	18.44	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	92137	19.92	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	75523m	26.64	ug/l	
77) Bromobenzene	12.749	156	106549	20.13	ug/l	98
78) n-propylbenzene	12.814	91	603073	19.85	ug/l	98
79) 2-Chlorotoluene	12.896	91	351454	20.01	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	398117	20.14	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.520	75	26302	20.32	ug/l	89
82) 4-Chlorotoluene	12.996	91	380520	20.48	ug/l	97
83) tert-Butylbenzene	13.214	119	308191	18.87	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	389629	19.83	ug/l	100
85) sec-Butylbenzene	13.390	105	501666	19.54	ug/l	100
86) p-Isopropyltoluene	13.502	119	405856	19.67	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	223529	20.11	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	219665	20.01	ug/l	99
89) n-Butylbenzene	13.832	91	390743	18.76	ug/l	97
90) Hexachloroethane	14.102	117	87067	19.55	ug/l	92
91) 1,2-Dichlorobenzene	13.873	146	187808	19.77	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	13982	18.96	ug/l	87
93) 1,2,4-Trichlorobenzene	15.143	180	104262	19.19	ug/l	97
94) Hexachlorobutadiene	15.249	225	67814	19.03	ug/l	98
95) Naphthalene	15.384	128	159772	18.39	ug/l	98
96) 1,2,3-Trichlorobenzene	15.578	180	90729	18.79	ug/l	96

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

