

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051421\
 Data File : VD069171.D
 Acq On : 14 May 2021 12:38
 Operator : VA/SY
 Sample : VD0514SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Manual Integrations
 APPROVED

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5/17/2021 2:34:59 PM

Quant Time: May 15 02:32:46 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	302565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	490468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	465908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	230711	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	146502	48.30	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.60%		
35) Dibromofluoromethane	7.914	113	155862	48.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.66%		
50) Toluene-d8	10.338	98	581871	49.61	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.22%		
62) 4-Bromofluorobenzene	12.632	95	189904	50.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.64%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	67071	20.85	ug/l	99
3) Chloromethane	2.209	50	74248	20.08	ug/l	98
4) Vinyl Chloride	2.350	62	96750	19.85	ug/l	96
5) Bromomethane	2.756	94	75618	20.63	ug/l	96
6) Chloroethane	2.920	64	62930	20.07	ug/l	97
7) Trichlorofluoromethane	3.273	101	122517	20.61	ug/l	95
8) Diethyl Ether	3.715	74	26948	19.85	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	66284	19.67	ug/l	97
10) Methyl Iodide	4.303	142	60728	17.92	ug/l	99
11) Tert butyl alcohol	5.220	59	25765	147.79	ug/l #	86
12) 1,1-Dichloroethene	4.062	96	61833	20.43	ug/l	94
13) Acrolein	3.920	56	23406	94.84	ug/l	96
14) Allyl chloride	4.715	41	65028	19.58	ug/l	97
15) Acrylonitrile	5.426	53	51741	102.14	ug/l	97
16) Acetone	4.150	43	48075	103.49	ug/l	96
17) Carbon Disulfide	4.409	76	201165	20.05	ug/l	99
18) Methyl Acetate	4.715	43	22471	19.91	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	107350	19.54	ug/l	99
20) Methylene Chloride	4.962	84	111483	24.95	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	71373	19.89	ug/l	97
22) Diisopropyl ether	6.367	45	135652	20.45	ug/l	95
23) Vinyl Acetate	6.309	43	379070	96.85	ug/l	97
24) 1,1-Dichloroethane	6.261	63	115728	20.20	ug/l	95
25) 2-Butanone	7.208	43	62038	98.55	ug/l	91
26) 2,2-Dichloropropane	7.208	77	108723	20.29	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	76800	19.71	ug/l	97
28) Bromochloromethane	7.544	49	42475	20.80	ug/l	98
29) Tetrahydrofuran	7.561	42	34261	100.12	ug/l	94
30) Chloroform	7.708	83	129210	20.03	ug/l	97
31) Cyclohexane	7.985	56	88708	19.73	ug/l	92
32) 1,1,1-Trichloroethane	7.908	97	116309	19.87	ug/l	100
36) 1,1-Dichloropropene	8.114	75	95365	20.00	ug/l	97
37) Ethyl Acetate	7.297	43	30306	19.78	ug/l	98
38) Carbon Tetrachloride	8.103	117	102594	19.25	ug/l	96
39) Methylcyclohexane	9.355	83	95523	18.99	ug/l	96
40) Benzene	8.350	78	277764	20.34	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	15024	18.42	ug/l #	75
42) 1,2-Dichloroethane	8.426	62	73942	19.83	ug/l	99
43) Isopropyl Acetate	8.455	43	55638	20.00	ug/l	95
44) Trichloroethene	9.114	130	75854	19.87	ug/l	99
45) 1,2-Dichloropropane	9.385	63	65029	20.17	ug/l	99
46) Dibromomethane	9.479	93	36983	19.19	ug/l	96
47) Bromodichloromethane	9.661	83	96968	19.77	ug/l	94
48) Methyl methacrylate	9.461	41	24195	18.81	ug/l	86
49) 1,4-Dioxane	9.455	88	7233	374.39	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	144942	101.26	ug/l	100
52) Toluene	10.402	92	177921	20.18	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	83964	19.48	ug/l	96
54) cis-1,3-Dichloropropene	10.091	75	103351	20.06	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	52457	20.19	ug/l	94
56) Ethyl methacrylate	10.661	69	51938	19.16	ug/l	97
57) 1,3-Dichloropropane	10.944	76	85563	20.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	139790	108.71	ug/l	99
59) 2-Hexanone	10.985	43	95077	99.54	ug/l	99
60) Dibromochloromethane	11.138	129	64967	19.47	ug/l	98
61) 1,2-Dibromoethane	11.244	107	48511	18.90	ug/l	95
64) Tetrachloroethene	10.873	164	62247	19.22	ug/l	94
65) Chlorobenzene	11.667	112	191740	19.86	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	69268	19.02	ug/l	96
67) Ethyl Benzene	11.744	91	326073	19.62	ug/l	96
68) m/p-Xylenes	11.849	106	262682	40.34	ug/l	100
69) o-Xylene	12.179	106	113104	19.53	ug/l	97
70) Styrene	12.191	104	199490	19.73	ug/l	99
71) Bromoform	12.355	173	37095	19.58	ug/l #	99
73) Isopropylbenzene	12.479	105	311764	19.33	ug/l	98
74) N-amyl acetate	12.285	43	49957	18.94	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	56733	19.42	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	36901m	21.28	ug/l	
77) Bromobenzene	12.761	156	76126	19.89	ug/l	97
78) n-propylbenzene	12.814	91	387651	19.92	ug/l	99
79) 2-Chlorotoluene	12.902	91	213337	19.71	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	266676	20.06	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	16902	19.69	ug/l	96
82) 4-Chlorotoluene	12.996	91	233615	20.26	ug/l	99
83) tert-Butylbenzene	13.220	119	218394	19.71	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	266024	19.89	ug/l	99
85) sec-Butylbenzene	13.396	105	329228	19.76	ug/l	99
86) p-Isopropyltoluene	13.508	119	287482	19.64	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	152631	19.71	ug/l	99
88) 1,4-Dichlorobenzene	13.591	146	150695	19.65	ug/l	97
89) n-Butylbenzene	13.838	91	260491	19.10	ug/l	99
90) Hexachloroethane	14.102	117	53553	19.52	ug/l	98
91) 1,2-Dichlorobenzene	13.885	146	129245	19.43	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8388	18.49	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	74706	18.33	ug/l	98
94) Hexachlorobutadiene	15.261	225	44114	18.04	ug/l	97
95) Naphthalene	15.390	128	127625	18.26	ug/l	98
96) 1,2,3-Trichlorobenzene	15.585	180	67437	19.34	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

