

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069538.D
 Acq On : 23 Jun 2021 12:01
 Operator : VA/SY
 Sample : VD0623SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0623SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/24/2021 4:56:32 PM

Quant Time: Jun 24 06:06:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	613794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1070889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1008094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	463084	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	383961	50.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.38%			
35) Dibromofluoromethane	7.914	113	360627	49.82	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.64%			
50) Toluene-d8	10.338	98	1390498	51.21	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.42%			
62) 4-Bromofluorobenzene	12.626	95	469082	52.55	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.10%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	109324	18.57	ug/l	99
3) Chloromethane	2.209	50	162360	18.85	ug/l	99
4) Vinyl Chloride	2.350	62	171347	17.85	ug/l	99
5) Bromomethane	2.756	94	113259	18.44	ug/l	95
6) Chloroethane	2.920	64	113892	17.81	ug/l	99
7) Trichlorofluoromethane	3.273	101	228321	20.03	ug/l	100
8) Diethyl Ether	3.709	74	61101	20.26	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	140043	20.08	ug/l	97
10) Methyl Iodide	4.297	142	99122	18.15	ug/l	98
11) Tert butyl alcohol	5.214	59	74221	172.19	ug/l	98
12) 1,1-Dichloroethene	4.067	96	119606	19.73	ug/l	97
13) Acrolein	3.926	56	36935	86.73	ug/l	97
14) Allyl chloride	4.714	41	176171	20.73	ug/l	93
15) Acrylonitrile	5.420	53	133357	105.34	ug/l	100
16) Acetone	4.156	43	124055	96.33	ug/l	98
17) Carbon Disulfide	4.409	76	365080	18.29	ug/l	100
18) Methyl Acetate	4.720	43	81111	23.94	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	232657	19.53	ug/l	96
20) Methylene Chloride	4.956	84	194322	19.86	ug/l	97
21) trans-1,2-Dichloroethene	5.473	96	141769	19.39	ug/l	93
22) Diisopropyl ether	6.361	45	369630	21.59	ug/l	98
23) Vinyl Acetate	6.308	43	881289	93.79	ug/l	100
24) 1,1-Dichloroethane	6.261	63	274371	20.23	ug/l	99
25) 2-Butanone	7.214	43	168189	102.78	ug/l	93
26) 2,2-Dichloropropane	7.208	77	230261	20.77	ug/l	97
27) cis-1,2-Dichloroethene	7.214	96	156765	19.73	ug/l	97
28) Bromochloromethane	7.550	49	104603	19.69	ug/l #	99
29) Tetrahydrofuran	7.561	42	93240	103.93	ug/l	96
30) Chloroform	7.708	83	295751	20.63	ug/l	90
31) Cyclohexane	7.985	56	195779	19.01	ug/l #	93
32) 1,1,1-Trichloroethane	7.902	97	239933	20.31	ug/l	98
36) 1,1-Dichloropropene	8.108	75	209021	19.89	ug/l	99
37) Ethyl Acetate	7.291	43	81724	20.95	ug/l	99
38) Carbon Tetrachloride	8.097	117	202839	19.50	ug/l	97
39) Methylcyclohexane	9.355	83	187610	18.10	ug/l	95
40) Benzene	8.350	78	608910	20.10	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	36923	16.27	ug/l	96
42) 1,2-Dichloroethane	8.426	62	177249	20.14	ug/l	100
43) Isopropyl Acetate	8.450	43	141088	19.91	ug/l	99
44) Trichloroethene	9.108	130	149085	19.50	ug/l	97
45) 1,2-Dichloropropane	9.385	63	157078	20.20	ug/l	98
46) Dibromomethane	9.473	93	82166	20.17	ug/l	99
47) Bromodichloromethane	9.661	83	215159	19.67	ug/l	99
48) Methyl methacrylate	9.455	41	66244	19.68	ug/l	98
49) 1,4-Dioxane	9.467	88	16288	405.91	ug/l	98
51) 4-Methyl-2-Pentanone	10.226	43	388672	104.31	ug/l	98
52) Toluene	10.402	92	380744	20.36	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	187203	19.79	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	229868	20.21	ug/l	99
55) 1,1,2-Trichloroethane	10.796	97	114545	19.91	ug/l	98
56) Ethyl methacrylate	10.661	69	117408	19.05	ug/l	95
57) 1,3-Dichloropropane	10.944	76	197609	20.33	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	327806	99.31	ug/l	99
59) 2-Hexanone	10.979	43	252657	100.49	ug/l	99
60) Dibromochloromethane	11.138	129	133110	19.63	ug/l	98
61) 1,2-Dibromoethane	11.243	107	104905	19.78	ug/l	100
64) Tetrachloroethene	10.873	164	126489	19.98	ug/l	97
65) Chlorobenzene	11.667	112	395357	19.72	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	145730	19.99	ug/l	99
67) Ethyl Benzene	11.743	91	685143	19.56	ug/l	99
68) m/p-Xylenes	11.849	106	521236	39.52	ug/l	98
69) o-Xylene	12.179	106	232993	19.71	ug/l	99
70) Styrene	12.191	104	411129	19.74	ug/l	100
71) Bromoform	12.355	173	71602	19.38	ug/l #	97
73) Isopropylbenzene	12.473	105	618147	19.37	ug/l	100
74) N-amyl acetate	12.279	43	130839	20.20	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	133713	20.86	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	94909m	20.88	ug/l	
77) Bromobenzene	12.755	156	146192	20.18	ug/l	96
78) n-propylbenzene	12.814	91	805365	20.11	ug/l	100
79) 2-Chlorotoluene	12.902	91	471780	20.62	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	546354	20.35	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	34604	19.01	ug/l	91
82) 4-Chlorotoluene	12.996	91	495843	20.21	ug/l	99
83) tert-Butylbenzene	13.214	119	417024	18.64	ug/l	94
84) 1,2,4-Trimethylbenzene	13.261	105	544337	20.39	ug/l	99
85) sec-Butylbenzene	13.396	105	669627	20.00	ug/l	100
86) p-Isopropyltoluene	13.508	119	557731	19.79	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	300230	20.23	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	296051	20.03	ug/l	99
89) n-Butylbenzene	13.837	91	545461	19.40	ug/l	99
90) Hexachloroethane	14.102	117	108522	19.70	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	260840	20.32	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	18488	19.01	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	143456	20.03	ug/l	99
94) Hexachlorobutadiene	15.255	225	86025	19.15	ug/l	99
95) Naphthalene	15.384	128	236881	18.67	ug/l	100
96) 1,2,3-Trichlorobenzene	15.584	180	123415	19.55	ug/l	99

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

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