

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020821\
 Data File : VD068314.D
 Acq On : 08 Feb 2021 12:45
 Operator : VA/SY
 Sample : VD0208SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0208SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/9/2021 9:59:52 AM

Quant Time: Feb 09 00:13:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	391719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	672355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.650	117	600808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	275046	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	166570	44.45	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.90%
35) Dibromofluoromethane	7.920	113	180549	48.57	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.14%
50) Toluene-d8	10.344	98	641465	43.14	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.28%
62) 4-Bromofluorobenzene	12.632	95	233116	43.54	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	87.08%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	87424	18.79	ug/l	96
3) Chloromethane	2.209	50	99649	19.89	ug/l	98
4) Vinyl Chloride	2.350	62	114765	20.59	ug/l	97
5) Bromomethane	2.762	94	87018	22.77	ug/l	97
6) Chloroethane	2.926	64	75946	22.31	ug/l	98
7) Trichlorofluoromethane	3.274	101	154342	21.10	ug/l	95
8) Diethyl Ether	3.709	74	42549	19.75	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.097	101	90170	21.13	ug/l	96
10) Methyl Iodide	4.303	142	87976	20.38	ug/l	93
11) Tert butyl alcohol	5.226	59	34756	51.77	ug/l #	84
12) 1,1-Dichloroethene	4.073	96	87152	20.31	ug/l	95
13) Acrolein	3.926	56	24335	82.41	ug/l	99
14) Allyl chloride	4.715	41	111888	17.92	ug/l	96
15) Acrylonitrile	5.426	53	87001	101.96	ug/l	98
16) Acetone	4.156	43	64840	96.91	ug/l	92
17) Carbon Disulfide	4.415	76	254550	18.42	ug/l	97
18) Methyl Acetate	4.726	43	35050	20.18	ug/l	97
19) Methyl tert-butyl Ether	5.485	73	203084	20.47	ug/l	96
20) Methylene Chloride	4.973	84	109276	21.08	ug/l	93
21) trans-1,2-Dichloroethene	5.479	96	103749	21.06	ug/l	98
22) Diisopropyl ether	6.367	45	249539	19.81	ug/l	95
23) Vinyl Acetate	6.309	43	649466	96.73	ug/l	98
24) 1,1-Dichloroethane	6.267	63	171295	20.99	ug/l	97
25) 2-Butanone	7.220	43	96848	96.13	ug/l	99
26) 2,2-Dichloropropane	7.214	77	146617	18.99	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	116291	21.74	ug/l	96
28) Bromochloromethane	7.550	49	58716	21.12	ug/l	81
29) Tetrahydrofuran	7.567	42	62454	95.63	ug/l	99
30) Chloroform	7.714	83	181818	22.05	ug/l	100
31) Cyclohexane	7.985	56	149105	18.38	ug/l	95
32) 1,1,1-Trichloroethane	7.909	97	158030	21.26	ug/l	96
36) 1,1-Dichloropropene	8.114	75	135855	20.04	ug/l	98
37) Ethyl Acetate	7.297	43	47979	20.00	ug/l	97
38) Carbon Tetrachloride	8.097	117	132935	20.95	ug/l	97
39) Methylcyclohexane	9.361	83	169498	19.12	ug/l	100
40) Benzene	8.356	78	401169	21.16	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	28680m	19.81	ug/l	
42) 1,2-Dichloroethane	8.426	62	110343	21.78	ug/l	97
43) Isopropyl Acetate	8.456	43	91634	18.33	ug/l	98
44) Trichloroethene	9.114	130	111687	21.45	ug/l	99
45) 1,2-Dichloropropane	9.391	63	97822	21.07	ug/l	93
46) Dibromomethane	9.479	93	52138	22.16	ug/l	94
47) Bromodichloromethane	9.667	83	140176	22.08	ug/l	98
48) Methyl methacrylate	9.461	41	42380	17.04	ug/l #	82
49) 1,4-Dioxane	9.461	88	11581	420.11	ug/l #	82
51) 4-Methyl-2-Pentanone	10.232	43	228172	98.21	ug/l	100
52) Toluene	10.408	92	260469	21.09	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	128697	20.03	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	155516	20.34	ug/l	97
55) 1,1,2-Trichloroethane	10.803	97	75418	22.62	ug/l	92
56) Ethyl methacrylate	10.661	69	87672	19.74	ug/l #	95
57) 1,3-Dichloropropane	10.950	76	128905	21.91	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	231159	112.80	ug/l	95
59) 2-Hexanone	10.985	43	147066	91.32	ug/l	99
60) Dibromochloromethane	11.144	129	93497	22.37	ug/l	98
61) 1,2-Dibromoethane	11.250	107	73158	22.24	ug/l	100
64) Tetrachloroethene	10.879	164	90787	21.44	ug/l	94
65) Chlorobenzene	11.673	112	277545	21.74	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	100056	22.28	ug/l	97
67) Ethyl Benzene	11.744	91	494200	20.91	ug/l	97
68) m/p-Xylenes	11.855	106	377549	42.31	ug/l	100
69) o-Xylene	12.179	106	175768	21.21	ug/l	97
70) Styrene	12.197	104	303972	21.49	ug/l	99
71) Bromoform	12.361	173	50692	22.27	ug/l #	96
73) Isopropylbenzene	12.479	105	481684	21.05	ug/l	99
74) N-amyl acetate	12.291	43	82892	17.42	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	79293	21.78	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	46710m	17.56	ug/l	
77) Bromobenzene	12.761	156	107711	21.95	ug/l	92
78) n-propylbenzene	12.820	91	565483	20.88	ug/l	99
79) 2-Chlorotoluene	12.908	91	311601	20.50	ug/l	99
80) 1,3,5-Trimethylbenzene	12.961	105	392203	20.58	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	23821	18.13	ug/l	98
82) 4-Chlorotoluene	13.002	91	330871	20.93	ug/l	98
83) tert-Butylbenzene	13.220	119	337887	20.92	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	395550	20.91	ug/l	99
85) sec-Butylbenzene	13.402	105	470012	20.80	ug/l	98
86) p-Isopropyltoluene	13.514	119	423994	20.63	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	202439	21.46	ug/l	96
88) 1,4-Dichlorobenzene	13.597	146	206542	22.22	ug/l	99
89) n-Butylbenzene	13.844	91	401598	20.36	ug/l	98
90) Hexachloroethane	14.108	117	75595	20.37	ug/l	92
91) 1,2-Dichlorobenzene	13.885	146	177896	22.02	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	12149	20.39	ug/l	81
93) 1,2,4-Trichlorobenzene	15.161	180	114640	20.69	ug/l	95
94) Hexachlorobutadiene	15.267	225	64766	21.09	ug/l	98
95) Naphthalene	15.396	128	217301	20.92	ug/l	99
96) 1,2,3-Trichlorobenzene	15.596	180	99280	21.25	ug/l	99

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

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