

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081721\
 Data File : VD070103.D
 Acq On : 18 Aug 2021 00:15
 Operator : VA/SY
 Sample : VD0817SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0817SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/18/2021 6:59:13 PM

Quant Time: Aug 18 04:33:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	468201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	900564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	855951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	404931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	310199	56.330	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.660%
35) Dibromofluoromethane	7.908	113	304517	52.338	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.680%
50) Toluene-d8	10.338	98	1185162	52.372	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.740%
62) 4-Bromofluorobenzene	12.626	95	395240	53.026	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.060%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	112062	21.286	ug/l	99
3) Chloromethane	2.209	50	161758	22.492	ug/l	99
4) Vinyl Chloride	2.344	62	163727	20.663	ug/l	99
5) Bromomethane	2.744	94	111324	23.325	ug/l	93
6) Chloroethane	2.909	64	105876	20.915	ug/l	98
7) Trichlorofluoromethane	3.262	101	185392	19.480	ug/l	94
8) Diethyl Ether	3.709	74	59627	21.893	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	120863	19.962	ug/l	98
10) Methyl Iodide	4.297	142	97196	17.557	ug/l	99
11) Tert butyl alcohol	5.226	59	30431	99.979	ug/l #	93
12) 1,1-Dichloroethene	4.067	96	109560	19.696	ug/l	92
13) Acrolein	3.920	56	27258	77.747	ug/l	93
14) Allyl chloride	4.709	41	160050	19.284	ug/l	96
15) Acrylonitrile	5.414	53	133269	105.525	ug/l	98
16) Acetone	4.162	43	94378	93.035	ug/l	99
17) Carbon Disulfide	4.403	76	405404	20.158	ug/l	100
18) Methyl Acetate	4.714	43	71819	23.746	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	238532	20.662	ug/l	99
20) Methylene Chloride	4.962	84	187383	22.643	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	130015	20.122	ug/l	100
22) Diisopropyl ether	6.361	45	387388	22.193	ug/l	98
23) Vinyl Acetate	6.303	43	803597	101.581	ug/l	98
24) 1,1-Dichloroethane	6.256	63	259580	21.735	ug/l	98
25) 2-Butanone	7.208	43	146715	105.842	ug/l	92
26) 2,2-Dichloropropane	7.208	77	164600	17.701	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	146423	21.339	ug/l	98
28) Bromochloromethane	7.544	49	98173	22.589	ug/l	96
29) Tetrahydrofuran	7.561	42	100423	110.638	ug/l	98
30) Chloroform	7.708	83	238908	20.341	ug/l	95
31) Cyclohexane	7.979	56	205530	18.857	ug/l	94
32) 1,1,1-Trichloroethane	7.897	97	205728	20.960	ug/l	98
36) 1,1-Dichloropropene	8.108	75	181799	18.765	ug/l	98
37) Ethyl Acetate	7.291	43	73436	20.869	ug/l	98
38) Carbon Tetrachloride	8.097	117	164091	18.656	ug/l	97
39) Methylcyclohexane	9.350	83	189016	16.757	ug/l	96
40) Benzene	8.350	78	572900	20.388	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	40876m	21.485	ug/l	
42) 1,2-Dichloroethane	8.420	62	148640	20.640	ug/l	98
43) Isopropyl Acetate	8.450	43	133507	20.322	ug/l	99
44) Trichloroethene	9.114	130	135943	20.026	ug/l	92
45) 1,2-Dichloropropane	9.385	63	142832	19.568	ug/l	100
46) Dibromomethane	9.473	93	76374	21.543	ug/l	95
47) Bromodichloromethane	9.661	83	189629	20.674	ug/l	97
48) Methyl methacrylate	9.450	41	55947	17.858	ug/l #	85
49) 1,4-Dioxane	9.461	88	15286	396.198	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	354636	103.816	ug/l	98
52) Toluene	10.402	92	352485	20.609	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	159869	19.677	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	196853	19.963	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	106054	21.113	ug/l	96
56) Ethyl methacrylate	10.655	69	111110	19.438	ug/l	98
57) 1,3-Dichloropropane	10.938	76	185077	21.283	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	315457	104.632	ug/l	99
59) 2-Hexanone	10.979	43	232709	101.721	ug/l	98
60) Dibromochloromethane	11.132	129	118482	20.590	ug/l	98
61) 1,2-Dibromoethane	11.244	107	95547	21.011	ug/l	99
64) Tetrachloroethene	10.867	164	106606	19.306	ug/l	97
65) Chlorobenzene	11.661	112	366182	20.476	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	131469	20.700	ug/l	99
67) Ethyl Benzene	11.738	91	618262	19.553	ug/l	100
68) m/p-Xylenes	11.849	106	497785	40.623	ug/l	97
69) o-Xylene	12.173	106	216970	19.624	ug/l	99
70) Styrene	12.185	104	394457	20.370	ug/l	99
71) Bromoform	12.355	173	67428	21.791	ug/l #	96
73) Isopropylbenzene	12.473	105	560700	18.988	ug/l	99
74) N-amyl acetate	12.279	43	124607	19.572	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	125122	21.236	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	81291m	19.795	ug/l	
77) Bromobenzene	12.749	156	134735	20.558	ug/l	99
78) n-propylbenzene	12.814	91	737302	19.361	ug/l	100
79) 2-Chlorotoluene	12.896	91	432824	19.755	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	496184	19.738	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	29771	18.817	ug/l	98
82) 4-Chlorotoluene	12.996	91	466098	20.317	ug/l	100
83) tert-Butylbenzene	13.214	119	384817	18.833	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	495197	19.858	ug/l	99
85) sec-Butylbenzene	13.390	105	619438	18.921	ug/l	99
86) p-Isopropyltoluene	13.508	119	496730	18.781	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	278428	19.994	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	278582	20.198	ug/l	97
89) n-Butylbenzene	13.832	91	474593	18.286	ug/l	98
90) Hexachloroethane	14.102	117	110892	19.869	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	245609	20.584	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	17794	20.219	ug/l	100
93) 1,2,4-Trichlorobenzene	15.149	180	127095	19.154	ug/l	99
94) Hexachlorobutadiene	15.255	225	71212	18.168	ug/l	95
95) Naphthalene	15.384	128	224941	18.626	ug/l	97
96) 1,2,3-Trichlorobenzene	15.579	180	116804	20.165	ug/l	97

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

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