

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042321\
 Data File : VD068960.D
 Acq On : 23 Apr 2021 11:48
 Operator : VA/SY
 Sample : VD0423SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0423SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/26/2021 4:53:23 PM

Quant Time: Apr 26 07:53:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	284559	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	472620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	440717	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	219365	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	137920	45.86	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.72%
35) Dibromofluoromethane	7.914	113	154576	50.28	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.56%
50) Toluene-d8	10.338	98	578591	49.89	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.78%
62) 4-Bromofluorobenzene	12.632	95	190479	49.46	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.92%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	58065	20.59	ug/l	98
3) Chloromethane	2.209	50	62744	18.93	ug/l	99
4) Vinyl Chloride	2.350	62	80458	19.32	ug/l	99
5) Bromomethane	2.762	94	65153	20.93	ug/l	97
6) Chloroethane	2.920	64	52532	19.20	ug/l	97
7) Trichlorofluoromethane	3.273	101	104839	21.40	ug/l	100
8) Diethyl Ether	3.709	74	26970	20.38	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	63553	21.49	ug/l	99
10) Methyl Iodide	4.303	142	58065	18.27	ug/l	# 95
11) Tert butyl alcohol	5.209	59	16285	81.93	ug/l	# 82
12) 1,1-Dichloroethene	4.073	96	58180	20.43	ug/l	98
13) Acrolein	3.926	56	8728	73.74	ug/l	95
14) Allyl chloride	4.715	41	59004	18.38	ug/l	96
15) Acrylonitrile	5.426	53	45987	77.43	ug/l	92
16) Acetone	4.162	43	38848	93.28	ug/l	89
17) Carbon Disulfide	4.409	76	178623	19.38	ug/l	98
18) Methyl Acetate	4.726	43	20584	17.99	ug/l	96
19) Methyl tert-butyl Ether	5.479	73	107361	16.99	ug/l	98
20) Methylene Chloride	4.967	84	72089	18.32	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	63212	17.28	ug/l	99
22) Diisopropyl ether	6.361	45	139687	17.96	ug/l	93
23) Vinyl Acetate	6.309	43	358166	86.89	ug/l	93
24) 1,1-Dichloroethane	6.267	63	111738	19.05	ug/l	95
25) 2-Butanone	7.220	43	53979	91.60	ug/l	97
26) 2,2-Dichloropropane	7.214	77	97691	20.39	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	77200	21.24	ug/l	97
28) Bromochloromethane	7.550	49	34144	16.13	ug/l	# 89
29) Tetrahydrofuran	7.561	42	33010	83.29	ug/l	90
30) Chloroform	7.714	83	122276	19.05	ug/l	99
31) Cyclohexane	7.979	56	84276	16.84	ug/l	99
32) 1,1,1-Trichloroethane	7.908	97	109122	19.46	ug/l	98
36) 1,1-Dichloropropene	8.114	75	91427	19.11	ug/l	100
37) Ethyl Acetate	7.297	43	25369	18.05	ug/l	99
38) Carbon Tetrachloride	8.097	117	96158	20.30	ug/l	95
39) Methylcyclohexane	9.355	83	100647	18.04	ug/l	98
40) Benzene	8.350	78	264338	18.88	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	15517	18.65	ug/l #	64
42) 1,2-Dichloroethane	8.426	62	71856	19.42	ug/l	99
43) Isopropyl Acetate	8.450	43	49754	17.37	ug/l	95
44) Trichloroethene	9.114	130	78217	20.23	ug/l	87
45) 1,2-Dichloropropane	9.391	63	62254	18.62	ug/l	99
46) Dibromomethane	9.473	93	37991	20.40	ug/l	96
47) Bromodichloromethane	9.667	83	94897	19.50	ug/l #	97
48) Methyl methacrylate	9.455	41	23079	16.35	ug/l #	82
49) 1,4-Dioxane	9.467	88	7882	399.69	ug/l #	85
51) 4-Methyl-2-Pentanone	10.226	43	130540	90.42	ug/l	99
52) Toluene	10.402	92	177151	19.99	ug/l	98
53) t-1,3-Dichloropropene	10.620	75	86017	19.94	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	99088	19.21	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	52472	19.92	ug/l	96
56) Ethyl methacrylate	10.661	69	50501	18.63	ug/l	97
57) 1,3-Dichloropropane	10.944	76	82632	19.05	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	113492	90.28	ug/l	100
59) 2-Hexanone	10.985	43	86424	89.46	ug/l	98
60) Dibromochloromethane	11.138	129	67175	20.34	ug/l	97
61) 1,2-Dibromoethane	11.244	107	48587	18.98	ug/l	97
64) Tetrachloroethene	10.879	164	62771	20.32	ug/l	97
65) Chlorobenzene	11.667	112	194200	20.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	71650	20.89	ug/l	97
67) Ethyl Benzene	11.744	91	320296	19.39	ug/l	97
68) m/p-Xylenes	11.855	106	257846	40.45	ug/l	96
69) o-Xylene	12.179	106	112840	19.47	ug/l	100
70) Styrene	12.196	104	205155	20.31	ug/l	99
71) Bromoform	12.361	173	38127	20.75	ug/l #	97
73) Isopropylbenzene	12.479	105	312963	19.54	ug/l	98
74) N-amyl acetate	12.285	43	47694	17.56	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	57645	19.25	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	36197m	18.06	ug/l	
77) Bromobenzene	12.761	156	78733	20.45	ug/l	94
78) n-propylbenzene	12.820	91	373500	19.20	ug/l	99
79) 2-Chlorotoluene	12.908	91	208828	19.22	ug/l	95
80) 1,3,5-Trimethylbenzene	12.955	105	257501	19.23	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.526	75	15445	17.89	ug/l	94
82) 4-Chlorotoluene	13.002	91	225313	19.56	ug/l	98
83) tert-Butylbenzene	13.220	119	212754	18.72	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	261833	19.36	ug/l	97
85) sec-Butylbenzene	13.396	105	307054	19.15	ug/l	99
86) p-Isopropyltoluene	13.514	119	277130	18.92	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	150392	19.71	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	147393	19.52	ug/l	99
89) n-Butylbenzene	13.838	91	257177	18.65	ug/l	98
90) Hexachloroethane	14.108	117	56951	19.52	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	130300	19.74	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	7665	16.84	ug/l	93
93) 1,2,4-Trichlorobenzene	15.155	180	79910	19.56	ug/l	96
94) Hexachlorobutadiene	15.261	225	43951	18.79	ug/l	96
95) Naphthalene	15.396	128	131644	18.50	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	66075	18.49	ug/l	95

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

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