

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042121\
 Data File : VD068924.D
 Acq On : 21 Apr 2021 13:57
 Operator : VA/SY
 Sample : VD0421SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0421SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/22/2021 5:28:11 PM

Quant Time: Apr 22 10:19:46 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	7.979	168	281447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	468088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	446479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	221507	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	143437	48.22	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.44%			
35) Dibromofluoromethane	7.914	113	158486	52.05	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.10%			
50) Toluene-d8	10.338	98	583302	50.79	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.58%			
62) 4-Bromofluorobenzene	12.632	95	196156	51.42	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	50181	17.99	ug/l	92
3) Chloromethane	2.209	50	57916	17.66	ug/l	95
4) Vinyl Chloride	2.350	62	74577	18.11	ug/l	98
5) Bromomethane	2.756	94	60451	19.63	ug/l	98
6) Chloroethane	2.915	64	51962	19.20	ug/l	99
7) Trichlorofluoromethane	3.268	101	94111	19.42	ug/l	98
8) Diethyl Ether	3.715	74	24698	18.87	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.103	101	55494	18.97	ug/l	99
10) Methyl Iodide	4.297	142	51971	16.75	ug/l	98
11) Tert butyl alcohol	5.232	59	19477m	106.17	ug/l	
12) 1,1-Dichloroethene	4.067	96	52011	18.46	ug/l	97
13) Acrolein	3.926	56	8710	74.40	ug/l	97
14) Allyl chloride	4.720	41	58431	18.40	ug/l	95
15) Acrylonitrile	5.432	53	56309	95.86	ug/l	99
16) Acetone	4.156	43	35591	86.41	ug/l	98
17) Carbon Disulfide	4.409	76	154899	16.99	ug/l	96
18) Methyl Acetate	4.726	43	20418	18.04	ug/l	99
19) Methyl tert-butyl Ether	5.485	73	121474	19.43	ug/l	98
20) Methylene Chloride	4.967	84	77961	20.53	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	68005	18.80	ug/l	91
22) Diisopropyl ether	6.361	45	145978	18.98	ug/l	93
23) Vinyl Acetate	6.309	43	385153	94.47	ug/l	96
24) 1,1-Dichloroethane	6.261	63	112253	19.35	ug/l	99
25) 2-Butanone	7.214	43	58532	100.42	ug/l	90
26) 2,2-Dichloropropane	7.208	77	97625	20.61	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	78792	21.91	ug/l	96
28) Bromochloromethane	7.544	49	36431	17.40	ug/l	86
29) Tetrahydrofuran	7.567	42	36526	93.18	ug/l	97
30) Chloroform	7.708	83	125885	19.83	ug/l	98
31) Cyclohexane	7.985	56	87630	17.71	ug/l #	90
32) 1,1,1-Trichloroethane	7.903	97	107876	19.45	ug/l	98
36) 1,1-Dichloropropene	8.108	75	92890	19.61	ug/l	98
37) Ethyl Acetate	7.291	43	28803	20.70	ug/l #	96
38) Carbon Tetrachloride	8.097	117	99507	21.21	ug/l	93
39) Methylcyclohexane	9.355	83	106932	19.35	ug/l	99
40) Benzene	8.350	78	277034	19.98	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	15499m	18.81	ug/l	
42) 1,2-Dichloroethane	8.426	62	72602	19.81	ug/l	99
43) Isopropyl Acetate	8.450	43	55682	19.63	ug/l	99
44) Trichloroethene	9.114	130	80165	20.93	ug/l	90
45) 1,2-Dichloropropane	9.385	63	66297	20.02	ug/l	91
46) Dibromomethane	9.479	93	39704	21.52	ug/l	98
47) Bromodichloromethane	9.661	83	97013	20.13	ug/l	99
48) Methyl methacrylate	9.455	41	23781	17.01	ug/l #	77
49) 1,4-Dioxane	9.461	88	8576	439.09	ug/l	90
51) 4-Methyl-2-Pentanone	10.226	43	140660	98.37	ug/l	99
52) Toluene	10.402	92	178712	20.36	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	87047	20.38	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	107081	20.96	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	54748	20.99	ug/l	96
56) Ethyl methacrylate	10.661	69	53738	20.01	ug/l	96
57) 1,3-Dichloropropane	10.944	76	89194	20.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	118623	94.33	ug/l	96
59) 2-Hexanone	10.985	43	92563	96.74	ug/l	98
60) Dibromochloromethane	11.138	129	68950	21.08	ug/l	99
61) 1,2-Dibromoethane	11.249	107	52377	20.66	ug/l	99
64) Tetrachloroethene	10.873	164	64796	20.70	ug/l	98
65) Chlorobenzene	11.667	112	194838	20.16	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.744	131	73033	21.02	ug/l	100
67) Ethyl Benzene	11.744	91	333803	19.94	ug/l	100
68) m/p-Xylenes	11.849	106	262789	40.69	ug/l	97
69) o-Xylene	12.185	106	118880	20.24	ug/l	94
70) Styrene	12.191	104	209591	20.48	ug/l	99
71) Bromoform	12.361	173	37834	20.32	ug/l #	94
73) Isopropylbenzene	12.479	105	311909	19.29	ug/l	99
74) N-amyl acetate	12.285	43	49688	18.12	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	59994	19.85	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	47763m	23.60	ug/l	
77) Bromobenzene	12.761	156	80975	20.83	ug/l	93
78) n-propylbenzene	12.820	91	382239	19.46	ug/l	98
79) 2-Chlorotoluene	12.902	91	213956	19.50	ug/l	95
80) 1,3,5-Trimethylbenzene	12.955	105	270136	19.98	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	17154	19.67	ug/l	96
82) 4-Chlorotoluene	13.002	91	230618	19.83	ug/l	99
83) tert-Butylbenzene	13.220	119	217224	18.93	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	268018	19.63	ug/l	98
85) sec-Butylbenzene	13.396	105	314714	19.44	ug/l	98
86) p-Isopropyltoluene	13.514	119	293557	19.85	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	156446	20.31	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	153241	20.10	ug/l	98
89) n-Butylbenzene	13.838	91	263760	18.94	ug/l	99
90) Hexachloroethane	14.108	117	55338	18.79	ug/l	94
91) 1,2-Dichlorobenzene	13.885	146	133620	20.05	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	9267	20.17	ug/l	93
93) 1,2,4-Trichlorobenzene	15.161	180	82342	19.96	ug/l	98
94) Hexachlorobutadiene	15.267	225	46578	19.72	ug/l	99
95) Naphthalene	15.396	128	143138	19.92	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	73440	20.36	ug/l	98

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

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