

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069233.D
 Acq On : 21 May 2021 12:35
 Operator : VA/SY
 Sample : VD0521SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0521SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:43:53 PM

Quant Time: May 21 13:01:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	270916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	436866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	414478	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	205446	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	136318	50.19	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.38%			
35) Dibromofluoromethane	7.908	113	143561	50.50	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.00%			
50) Toluene-d8	10.337	98	537317	51.44	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.88%			
62) 4-Bromofluorobenzene	12.631	95	169617	50.46	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.92%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	63619	22.09	ug/l	96
3) Chloromethane	2.208	50	73424	22.18	ug/l	98
4) Vinyl Chloride	2.344	62	99159	22.73	ug/l	100
5) Bromomethane	2.749	94	69882	21.29	ug/l	98
6) Chloroethane	2.908	64	66845	23.81	ug/l	96
7) Trichlorofluoromethane	3.267	101	113563	21.33	ug/l	99
8) Diethyl Ether	3.708	74	24768	20.38	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	66966	22.20	ug/l	96
10) Methyl Iodide	4.302	142	50726	16.78	ug/l	98
11) Tert butyl alcohol	5.226	59	22606	143.91	ug/l #	88
12) 1,1-Dichloroethene	4.061	96	58262	21.50	ug/l	96
13) Acrolein	3.920	56	15993	72.37	ug/l	95
14) Allyl chloride	4.714	41	62325	20.96	ug/l	93
15) Acrylonitrile	5.420	53	48033	105.90	ug/l	97
16) Acetone	4.155	43	46137	110.92	ug/l #	85
17) Carbon Disulfide	4.402	76	193081	21.49	ug/l	99
18) Methyl Acetate	4.720	43	21845	21.61	ug/l	99
19) Methyl tert-butyl Ether	5.485	73	95212	19.36	ug/l	96
20) Methylene Chloride	4.967	84	89594	21.25	ug/l	98
21) trans-1,2-Dichloroethene	5.461	96	67507	21.01	ug/l	99
22) Diisopropyl ether	6.367	45	130007	21.89	ug/l	99
23) Vinyl Acetate	6.302	43	346197	98.79	ug/l	97
24) 1,1-Dichloroethane	6.261	63	111878	21.81	ug/l	99
25) 2-Butanone	7.214	43	57873	102.67	ug/l #	87
26) 2,2-Dichloropropane	7.208	77	101938	21.25	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	69858	20.02	ug/l	99
28) Bromochloromethane	7.543	49	39031	21.34	ug/l	94
29) Tetrahydrofuran	7.561	42	31608	103.16	ug/l	93
30) Chloroform	7.714	83	123846	21.44	ug/l	94
31) Cyclohexane	7.985	56	84144	20.91	ug/l	94
32) 1,1,1-Trichloroethane	7.902	97	111999	21.37	ug/l	99
36) 1,1-Dichloropropene	8.108	75	93080	21.92	ug/l	97
37) Ethyl Acetate	7.290	43	30446	22.31	ug/l	99
38) Carbon Tetrachloride	8.096	117	101125	21.30	ug/l #	94
39) Methylcyclohexane	9.355	83	90628	20.23	ug/l	93
40) Benzene	8.349	78	260801	21.44	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	14483m	19.94	ug/l	
42) 1,2-Dichloroethane	8.420	62	72087	21.70	ug/l	99
43) Isopropyl Acetate	8.449	43	50895	20.54	ug/l	96
44) Trichloroethene	9.114	130	72315	21.27	ug/l	99
45) 1,2-Dichloropropane	9.384	63	61643	21.47	ug/l	99
46) Dibromomethane	9.473	93	36654	21.35	ug/l	98
47) Bromodichloromethane	9.661	83	93358	21.37	ug/l	97
48) Methyl methacrylate	9.455	41	21505	18.77	ug/l #	89
49) 1,4-Dioxane	9.461	88	8011	469.56	ug/l #	92
51) 4-Methyl-2-Pentanone	10.226	43	135600	106.36	ug/l	100
52) Toluene	10.402	92	172576	21.98	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	79186	20.63	ug/l	94
54) cis-1,3-Dichloropropene	10.090	75	96631	21.06	ug/l	96
55) 1,1,2-Trichloroethane	10.796	97	49683	21.47	ug/l	94
56) Ethyl methacrylate	10.661	69	44828	18.61	ug/l	96
57) 1,3-Dichloropropane	10.943	76	82293	22.01	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.943	63	120365	105.09	ug/l	99
59) 2-Hexanone	10.984	43	89995	105.78	ug/l	96
60) Dibromochloromethane	11.137	129	62469	21.02	ug/l	98
61) 1,2-Dibromoethane	11.243	107	47124	20.61	ug/l	100
64) Tetrachloroethene	10.873	164	61449	21.33	ug/l	90
65) Chlorobenzene	11.667	112	181418	21.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.743	131	67512	20.84	ug/l	98
67) Ethyl Benzene	11.743	91	301432	20.39	ug/l	100
68) m/p-Xylenes	11.849	106	248740	42.93	ug/l	99
69) o-Xylene	12.178	106	108722	21.10	ug/l	96
70) Styrene	12.190	104	192896	21.45	ug/l	98
71) Bromoform	12.355	173	34505	20.48	ug/l #	95
73) Isopropylbenzene	12.473	105	289798	20.18	ug/l	99
74) N-amyl acetate	12.284	43	47247	20.12	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.725	83	53668	20.62	ug/l	99
76) 1,2,3-Trichloropropane	12.778	75	37541m	24.31	ug/l	
77) Bromobenzene	12.755	156	72388	21.24	ug/l	99
78) n-propylbenzene	12.814	91	363686	20.99	ug/l	100
79) 2-Chlorotoluene	12.902	91	206137	21.38	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	250253	21.14	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.525	75	14731	19.27	ug/l	97
82) 4-Chlorotoluene	13.002	91	214865	20.92	ug/l	99
83) tert-Butylbenzene	13.220	119	201244	20.40	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	253376	21.27	ug/l	99
85) sec-Butylbenzene	13.396	105	311165	20.97	ug/l	98
86) p-Isopropyltoluene	13.508	119	269214	20.65	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	144989	21.02	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	145649	21.32	ug/l	97
89) n-Butylbenzene	13.837	91	260568	21.46	ug/l	98
90) Hexachloroethane	14.108	117	54198	22.19	ug/l	97
91) 1,2-Dichlorobenzene	13.884	146	134254	22.67	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	8294	20.54	ug/l	93
93) 1,2,4-Trichlorobenzene	15.155	180	77083	21.24	ug/l	98
94) Hexachlorobutadiene	15.255	225	47136	21.64	ug/l	99
95) Naphthalene	15.390	128	113818	18.28	ug/l	99
96) 1,2,3-Trichlorobenzene	15.584	180	65376	21.05	ug/l	96

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

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