

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042821\
 Data File : VD068998.D
 Acq On : 28 Apr 2021 12:12
 Operator : VA/SY
 Sample : VD0428SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0428SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/29/2021 5:51:32 PM

Quant Time: Apr 29 06:29:53 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	259633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	419794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	398212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	202896	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	127635	46.52	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.04%			
35) Dibromofluoromethane	7.914	113	146878	53.79	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.58%			
50) Toluene-d8	10.338	98	544997	52.91	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.82%			
62) 4-Bromofluorobenzene	12.631	95	180646	52.80	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	54017	21.00	ug/l	96
3) Chloromethane	2.209	50	60213	19.91	ug/l	99
4) Vinyl Chloride	2.350	62	80547	21.20	ug/l	96
5) Bromomethane	2.756	94	67129	23.64	ug/l	97
6) Chloroethane	2.920	64	58883	23.58	ug/l	99
7) Trichlorofluoromethane	3.267	101	104739	23.43	ug/l	92
8) Diethyl Ether	3.714	74	27800	23.02	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	63628	23.58	ug/l	98
10) Methyl Iodide	4.297	142	53119	18.31	ug/l	98
11) Tert butyl alcohol	5.220	59	23461m	149.00	ug/l	
12) 1,1-Dichloroethene	4.067	96	54935	21.14	ug/l	87
13) Acrolein	3.920	56	7903	73.18	ug/l	93
14) Allyl chloride	4.714	41	55671	19.01	ug/l	91
15) Acrylonitrile	5.420	53	49455	91.27	ug/l	99
16) Acetone	4.155	43	45704	120.28	ug/l	94
17) Carbon Disulfide	4.408	76	174145	20.70	ug/l	98
18) Methyl Acetate	4.726	43	20226	19.38	ug/l	93
19) Methyl tert-butyl Ether	5.479	73	112055	19.43	ug/l	92
20) Methylene Chloride	4.973	84	87218	26.03	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	62721	18.79	ug/l	92
22) Diisopropyl ether	6.367	45	133481	18.81	ug/l	93
23) Vinyl Acetate	6.302	43	349867	93.03	ug/l	98
24) 1,1-Dichloroethane	6.267	63	106416	19.89	ug/l	98
25) 2-Butanone	7.214	43	55810	103.80	ug/l	92
26) 2,2-Dichloropropane	7.202	77	97150	22.23	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	76681	23.12	ug/l	95
28) Bromochloromethane	7.544	49	35274	18.26	ug/l	94
29) Tetrahydrofuran	7.567	42	34596	95.67	ug/l	95
30) Chloroform	7.708	83	123206	21.04	ug/l	97
31) Cyclohexane	7.991	56	85942	18.82	ug/l	95
32) 1,1,1-Trichloroethane	7.896	97	109780	21.45	ug/l	99
36) 1,1-Dichloropropene	8.108	75	87576	20.61	ug/l	98
37) Ethyl Acetate	7.291	43	28274	22.65	ug/l	98
38) Carbon Tetrachloride	8.096	117	97619	23.20	ug/l	96
39) Methylcyclohexane	9.355	83	102069	20.60	ug/l	94
40) Benzene	8.349	78	261520	21.03	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	14269m	19.31	ug/l	
42) 1,2-Dichloroethane	8.426	62	72363	22.02	ug/l	98
43) Isopropyl Acetate	8.455	43	51238	20.14	ug/l	96
44) Trichloroethene	9.108	130	77124	22.46	ug/l	94
45) 1,2-Dichloropropane	9.390	63	61063	20.56	ug/l	95
46) Dibromomethane	9.473	93	35610	21.52	ug/l	91
47) Bromodichloromethane	9.661	83	95238	22.03	ug/l	99
48) Methyl methacrylate	9.461	41	22332	17.81	ug/l	82
49) 1,4-Dioxane	9.467	88	8388	478.87	ug/l #	88
51) 4-Methyl-2-Pentanone	10.226	43	131557	102.59	ug/l	98
52) Toluene	10.402	92	175093	22.24	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	82265	21.47	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	99896	21.80	ug/l	97
55) 1,1,2-Trichloroethane	10.802	97	53427	22.84	ug/l	96
56) Ethyl methacrylate	10.655	69	49313	20.48	ug/l	95
57) 1,3-Dichloropropane	10.943	76	82194	21.34	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	106029	94.07	ug/l	94
59) 2-Hexanone	10.985	43	90236	105.16	ug/l	99
60) Dibromochloromethane	11.137	129	69409	23.66	ug/l	98
61) 1,2-Dibromoethane	11.243	107	50853	22.37	ug/l	99
64) Tetrachloroethene	10.873	164	64633	23.15	ug/l	94
65) Chlorobenzene	11.667	112	193978	22.50	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.743	131	71598	23.10	ug/l	99
67) Ethyl Benzene	11.743	91	322278	21.59	ug/l	99
68) m/p-Xylenes	11.849	106	254430	44.17	ug/l	96
69) o-Xylene	12.179	106	112802	21.54	ug/l	98
70) Styrene	12.190	104	198756	21.77	ug/l	99
71) Bromoform	12.355	173	37058	22.32	ug/l #	98
73) Isopropylbenzene	12.479	105	306520	20.69	ug/l	99
74) N-amyl acetate	12.284	43	46037	18.32	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	56358	20.35	ug/l	98
76) 1,2,3-Trichloropropane	12.779	75	35689m	19.25	ug/l	
77) Bromobenzene	12.755	156	74689	20.97	ug/l	94
78) n-propylbenzene	12.820	91	361659	20.10	ug/l	97
79) 2-Chlorotoluene	12.902	91	204367	20.33	ug/l	96
80) 1,3,5-Trimethylbenzene	12.955	105	263838	21.30	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	15906	19.91	ug/l	98
82) 4-Chlorotoluene	13.002	91	217615	20.42	ug/l	97
83) tert-Butylbenzene	13.220	119	210533	20.03	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	259789	20.77	ug/l	98
85) sec-Butylbenzene	13.396	105	301008	20.30	ug/l	99
86) p-Isopropyltoluene	13.514	119	276270	20.40	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	152127	21.56	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	148717	21.30	ug/l	99
89) n-Butylbenzene	13.837	91	251797	19.74	ug/l	99
90) Hexachloroethane	14.108	117	55143	20.44	ug/l	96
91) 1,2-Dichlorobenzene	13.884	146	132039	21.63	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	8565	20.35	ug/l	93
93) 1,2,4-Trichlorobenzene	15.155	180	82661	21.88	ug/l	99
94) Hexachlorobutadiene	15.261	225	48634	22.48	ug/l	99
95) Naphthalene	15.396	128	133030	20.21	ug/l	98
96) 1,2,3-Trichlorobenzene	15.584	180	71831	21.74	ug/l	100

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

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