

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069239.D
 Acq On : 21 May 2021 15:26
 Operator : VA/SY
 Sample : M2472-13MSD
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW8-GW-938-940MSD

Manual Integrations
 APPROVED

MMDadoda
 5/24/2021 3:44:01 PM

Quant Time: May 22 00:34:21 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	135126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	230262	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	188093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	55032	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	83619	61.73	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 123.46%			
35) Dibromofluoromethane	7.914	113	85094	56.79	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.58%			
50) Toluene-d8	10.338	98	255743	46.45	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.90%			
62) 4-Bromofluorobenzene	12.626	95	61665	34.81	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 69.62%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	75302	52.41	ug/l	97
3) Chloromethane	2.209	50	103542	62.71	ug/l	97
4) Vinyl Chloride	2.344	62	134253	61.69	ug/l	99
5) Bromomethane	2.762	94	85338	52.13	ug/l	97
6) Chloroethane	2.915	64	89915	64.23	ug/l	100
7) Trichlorofluoromethane	3.262	101	143464	54.03	ug/l	94
8) Diethyl Ether	3.709	74	38637	63.74	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.085	101	79698	52.96	ug/l	98
10) Methyl Iodide	4.297	142	71421	45.69	ug/l	98
11) Tert butyl alcohol	5.238	59	27722m	419.90	ug/l	
12) 1,1-Dichloroethene	4.062	96	70744	52.33	ug/l	92
13) Acrolein	3.915	56	36393	330.19	ug/l	96
14) Allyl chloride	4.714	41	81910	55.23	ug/l	95
15) Acrylonitrile	5.426	53	85869	379.57	ug/l	99
16) Acetone	4.162	43	72148	347.75	ug/l	98
17) Carbon Disulfide	4.403	76	216192	48.24	ug/l	100
18) Methyl Acetate	4.714	43	38888	77.15	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	167295	68.19	ug/l	93
20) Methylene Chloride	4.956	84	120983	76.48	ug/l	93
21) trans-1,2-Dichloroethene	5.467	96	83440	52.06	ug/l	96
22) Diisopropyl ether	6.361	45	193374	65.28	ug/l	95
23) Vinyl Acetate	6.309	43	610777	349.42	ug/l	99
24) 1,1-Dichloroethane	6.267	63	151918	59.37	ug/l	97
25) 2-Butanone	7.214	43	105040	373.62	ug/l	98
26) 2,2-Dichloropropane	7.203	77	130776	54.65	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	98095	56.36	ug/l	96
28) Bromochloromethane	7.544	49	60573	66.41	ug/l	97
29) Tetrahydrofuran	7.561	42	59406	388.72	ug/l	98
30) Chloroform	7.708	83	170850	59.31	ug/l	90
31) Cyclohexane	7.985	56	85047	42.36	ug/l	95
32) 1,1,1-Trichloroethane	7.903	97	140103	53.60	ug/l	98
36) 1,1-Dichloropropene	8.114	75	107940	48.22	ug/l	98
37) Ethyl Acetate	7.291	43	49686	69.08	ug/l	96
38) Carbon Tetrachloride	8.091	117	120884	48.30	ug/l	97
39) Methylcyclohexane	9.350	83	73877	31.29	ug/l	90
40) Benzene	8.350	78	334906	52.23	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	21528	56.23	ug/l #	73
42) 1,2-Dichloroethane	8.426	62	109993	62.82	ug/l	100
43) Isopropyl Acetate	8.450	43	89365	68.42	ug/l	98
44) Trichloroethene	9.114	130	84132	46.94	ug/l	94
45) 1,2-Dichloropropane	9.385	63	84435	55.79	ug/l	92
46) Dibromomethane	9.473	93	56276	62.20	ug/l	97
47) Bromodichloromethane	9.661	83	128119	55.65	ug/l	93
48) Methyl methacrylate	9.455	41	40712	67.41	ug/l	95
49) 1,4-Dioxane	9.461	88	14369	1637.62	ug/l #	92
51) 4-Methyl-2-Pentanone	10.226	43	232890	346.57	ug/l	99
52) Toluene	10.402	92	197078	47.62	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	108096	53.43	ug/l	95
54) cis-1,3-Dichloropropene	10.091	75	125802	52.02	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	75019	61.52	ug/l	97
56) Ethyl methacrylate	10.661	69	72852	54.64	ug/l	97
57) 1,3-Dichloropropane	10.944	76	120820	61.30	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	37750	62.53	ug/l	99
59) 2-Hexanone	10.985	43	154633	344.84	ug/l	97
60) Dibromochloromethane	11.138	129	86364	55.14	ug/l	97
61) 1,2-Dibromoethane	11.244	107	72590	60.23	ug/l	98
64) Tetrachloroethene	10.873	164	57662	44.11	ug/l	97
65) Chlorobenzene	11.667	112	186128	47.75	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	81844	55.67	ug/l	97
67) Ethyl Benzene	11.744	91	311229	46.39	ug/l	99
68) m/p-Xylenes	11.849	106	237470	90.32	ug/l	97
69) o-Xylene	12.179	106	108044	46.21	ug/l	97
70) Styrene	12.191	104	135902	33.30	ug/l	96
71) Bromoform	12.355	173	45835	59.94	ug/l #	99
73) Isopropylbenzene	12.473	105	265758	69.09	ug/l	99
74) N-amyl acetate	12.285	43	63872	101.54	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	82771	118.75	ug/l	90
76) 1,2,3-Trichloropropane	12.779	75	58234m	140.77	ug/l	
77) Bromobenzene	12.755	156	63185	69.23	ug/l	85
78) n-propylbenzene	12.814	91	278787	60.07	ug/l	100
79) 2-Chlorotoluene	12.902	91	159529	61.78	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	186205	58.72	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	23504	114.77	ug/l	97
82) 4-Chlorotoluene	13.002	91	159033	57.81	ug/l	100
83) tert-Butylbenzene	13.220	119	177417	67.13	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	185787	58.23	ug/l	100
85) sec-Butylbenzene	13.396	105	200086	50.35	ug/l	100
86) p-Isopropyltoluene	13.514	119	174801	50.06	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	87712	47.48	ug/l	98
88) 1,4-Dichlorobenzene	13.590	146	87646	47.90	ug/l	96
89) n-Butylbenzene	13.838	91	127262	39.12	ug/l	98
90) Hexachloroethane	14.102	117	38535	58.89	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	80448	50.71	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.502	75	10282	95.04	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	18675	19.21	ug/l	90
94) Hexachlorobutadiene	15.255	225	15147	25.96	ug/l	95
95) Naphthalene	15.390	128	48802	28.03	ug/l	98
96) 1,2,3-Trichlorobenzene	15.584	180	15734	18.92	ug/l	99

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

