

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042121\
 Data File : VD068921.D
 Acq On : 21 Apr 2021 12:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/22/2021 5:28:07 PM

Quant Time: Apr 22 10:17:46 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	300205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	475895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	435541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	219072	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	141998	44.76	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.52%		
35) Dibromofluoromethane	7.914	113	162547	52.51	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.02%		
50) Toluene-d8	10.338	98	605523	51.86	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.72%		
62) 4-Bromofluorobenzene	12.632	95	194944	50.27	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.54%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	139118	46.77	ug/l	99
3) Chloromethane	2.209	50	149502	42.75	ug/l	98
4) Vinyl Chloride	2.350	62	210605	47.94	ug/l	99
5) Bromomethane	2.768	94	154962	47.19	ug/l	98
6) Chloroethane	2.921	64	139718	48.40	ug/l	97
7) Trichlorofluoromethane	3.274	101	251388	48.63	ug/l	96
8) Diethyl Ether	3.709	74	60738	43.51	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	149085	47.79	ug/l	98
10) Methyl Iodide	4.303	142	147602	40.86	ug/l	98
11) Tert butyl alcohol	5.220	59	41106	243.26	ug/l	100
12) 1,1-Dichloroethene	4.068	96	134726	44.83	ug/l	98
13) Acrolein	3.926	56	22272	178.35	ug/l	97
14) Allyl chloride	4.715	41	143712	42.43	ug/l	95
15) Acrylonitrile	5.426	53	143475	228.99	ug/l	96
16) Acetone	4.156	43	116947	266.18	ug/l	97
17) Carbon Disulfide	4.409	76	407406	41.89	ug/l	99
18) Methyl Acetate	4.721	43	49656	41.14	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	326948	49.04	ug/l	93
20) Methylene Chloride	4.962	84	167997	46.91	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	179557	46.53	ug/l	87
22) Diisopropyl ether	6.362	45	377082	45.96	ug/l	97
23) Vinyl Acetate	6.309	43	1064382	244.76	ug/l	100
24) 1,1-Dichloroethane	6.262	63	287721	46.51	ug/l	98
25) 2-Butanone	7.214	43	167351	269.18	ug/l	100
26) 2,2-Dichloropropane	7.209	77	274943	54.41	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	204723	53.38	ug/l	97
28) Bromochloromethane	7.550	49	118567	53.10	ug/l	91
29) Tetrahydrofuran	7.562	42	97524	233.25	ug/l	93
30) Chloroform	7.709	83	325166	48.02	ug/l	97
31) Cyclohexane	7.985	56	245898	46.58	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	293635	49.62	ug/l	99
36) 1,1-Dichloropropene	8.114	75	253274	52.58	ug/l	98
37) Ethyl Acetate	7.291	43	67603	47.78	ug/l	94
38) Carbon Tetrachloride	8.097	117	263164	55.18	ug/l	97
39) Methylcyclohexane	9.356	83	312165	55.57	ug/l	98
40) Benzene	8.350	78	709512	50.34	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	39901	47.64	ug/l #	85
42) 1,2-Dichloroethane	8.426	62	188741	50.65	ug/l	100
43) Isopropyl Acetate	8.456	43	144455	50.08	ug/l	98
44) Trichloroethene	9.114	130	208065	53.44	ug/l	91
45) 1,2-Dichloropropane	9.385	63	167309	49.69	ug/l	95
46) Dibromomethane	9.473	93	96836	51.63	ug/l	94
47) Bromodichloromethane	9.661	83	253791	51.80	ug/l	98
48) Methyl methacrylate	9.456	41	73051	51.39	ug/l	98
49) 1,4-Dioxane	9.461	88	22105	1113.21	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	382449	263.07	ug/l	97
52) Toluene	10.403	92	481448	53.94	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	230228	53.01	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	270527	52.08	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	136338	51.41	ug/l	98
56) Ethyl methacrylate	10.661	69	151357	55.44	ug/l	98
57) 1,3-Dichloropropane	10.944	76	226597	51.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	357941	246.54	ug/l	99
59) 2-Hexanone	10.985	43	273943	281.62	ug/l	99
60) Dibromochloromethane	11.138	129	176372	53.04	ug/l	100
61) 1,2-Dibromoethane	11.244	107	134486	52.18	ug/l	98
64) Tetrachloroethene	10.873	164	175085	57.35	ug/l	93
65) Chlorobenzene	11.667	112	514988	54.62	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	190716	56.26	ug/l	100
67) Ethyl Benzene	11.744	91	919546	56.32	ug/l	99
68) m/p-Xylenes	11.850	106	720128	114.31	ug/l	97
69) o-Xylene	12.179	106	322190	56.24	ug/l	99
70) Styrene	12.191	104	561516	56.24	ug/l	100
71) Bromoform	12.355	173	98021	53.98	ug/l #	97
73) Isopropylbenzene	12.479	105	902282	56.41	ug/l	100
74) N-amyl acetate	12.285	43	139754	51.52	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	151577	50.70	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	100587m	50.26	ug/l	
77) Bromobenzene	12.761	156	204317	53.13	ug/l	96
78) n-propylbenzene	12.820	91	1074162	55.29	ug/l	99
79) 2-Chlorotoluene	12.902	91	574807	52.96	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	755159	56.47	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	46179	53.55	ug/l	97
82) 4-Chlorotoluene	13.002	91	613035	53.29	ug/l	97
83) tert-Butylbenzene	13.220	119	631482	55.65	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	745230	55.18	ug/l	98
85) sec-Butylbenzene	13.397	105	922667	57.62	ug/l	100
86) p-Isopropyltoluene	13.514	119	839639	57.41	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	406708	53.38	ug/l	96
88) 1,4-Dichlorobenzene	13.591	146	399407	52.97	ug/l	99
89) n-Butylbenzene	13.838	91	786745	57.12	ug/l	99
90) Hexachloroethane	14.108	117	161040	55.28	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	349187	52.97	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	22010	48.43	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	230097	56.40	ug/l	98
94) Hexachlorobutadiene	15.267	225	139367	59.67	ug/l	99
95) Naphthalene	15.396	128	402028	56.58	ug/l	99
96) 1,2,3-Trichlorobenzene	15.591	180	195701	54.85	ug/l	99

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

