

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051421\
 Data File : VD069168.D
 Acq On : 14 May 2021 10:55
 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
 5/17/2021 2:34:55 PM

Quant Time: May 15 02:31:11 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	335016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	526707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	497448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	241160	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	148678	44.27	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.54%		
35) Dibromofluoromethane	7.914	113	161436	47.10	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.20%		
50) Toluene-d8	10.338	98	614198	48.77	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.54%		
62) 4-Bromofluorobenzene	12.626	95	192868	47.59	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.18%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	161389	45.31	ug/l	99
3) Chloromethane	2.209	50	177755	43.42	ug/l	98
4) Vinyl Chloride	2.350	62	239237	44.34	ug/l	97
5) Bromomethane	2.773	94	179687	44.27	ug/l	97
6) Chloroethane	2.921	64	156428	45.07	ug/l	99
7) Trichlorofluoromethane	3.273	101	332279	50.48	ug/l	98
8) Diethyl Ether	3.709	74	71690	47.70	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	174589	46.80	ug/l	98
10) Methyl Iodide	4.297	142	173090	44.68	ug/l	99
11) Tert butyl alcohol	5.215	59	43604	249.83	ug/l #	86
12) 1,1-Dichloroethene	4.068	96	159951	47.72	ug/l	98
13) Acrolein	3.921	56	79597	291.29	ug/l	100
14) Allyl chloride	4.715	41	174906	47.57	ug/l	97
15) Acrylonitrile	5.420	53	128600	229.28	ug/l	99
16) Acetone	4.156	43	143184	278.36	ug/l	89
17) Carbon Disulfide	4.409	76	517732	46.60	ug/l	98
18) Methyl Acetate	4.715	43	58096	46.49	ug/l	100
19) Methyl tert-butyl Ether	5.479	73	296173	48.69	ug/l	97
20) Methylene Chloride	4.968	84	204214	48.53	ug/l	100
21) trans-1,2-Dichloroethene	5.467	96	183912	46.28	ug/l	95
22) Diisopropyl ether	6.367	45	354791	48.31	ug/l	95
23) Vinyl Acetate	6.303	43	1072305	247.43	ug/l	99
24) 1,1-Dichloroethane	6.262	63	294629	46.44	ug/l	99
25) 2-Butanone	7.209	43	169030	242.50	ug/l	97
26) 2,2-Dichloropropane	7.203	77	284831	48.01	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	200171	46.39	ug/l	99
28) Bromochloromethane	7.550	49	110474	48.85	ug/l	98
29) Tetrahydrofuran	7.556	42	90306	238.34	ug/l	98
30) Chloroform	7.709	83	331746	46.45	ug/l	95
31) Cyclohexane	7.979	56	227383	45.68	ug/l	87
32) 1,1,1-Trichloroethane	7.903	97	302714	46.71	ug/l	99
36) 1,1-Dichloropropene	8.114	75	258349	50.45	ug/l	98
37) Ethyl Acetate	7.297	43	76642	46.58	ug/l	97
38) Carbon Tetrachloride	8.091	117	276706	48.34	ug/l	94
39) Methylcyclohexane	9.356	83	282910	52.38	ug/l	97
40) Benzene	8.350	78	721266	49.17	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	44515m	50.83	ug/l	
42) 1,2-Dichloroethane	8.420	62	190431	47.55	ug/l	100
43) Isopropyl Acetate	8.450	43	144573	48.39	ug/l	100
44) Trichloroethene	9.108	130	200267	48.85	ug/l	96
45) 1,2-Dichloropropane	9.385	63	165771	47.88	ug/l	98
46) Dibromomethane	9.473	93	97793	47.25	ug/l	99
47) Bromodichloromethane	9.661	83	246287	46.76	ug/l	100
48) Methyl methacrylate	9.456	41	70636	51.13	ug/l	97
49) 1,4-Dioxane	9.461	88	18536	916.34	ug/l	93
51) 4-Methyl-2-Pentanone	10.226	43	380961	247.84	ug/l	100
52) Toluene	10.403	92	470394	49.69	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	222487	48.07	ug/l	100
54) cis-1,3-Dichloropropene	10.091	75	269318	48.68	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	132513	47.50	ug/l	96
56) Ethyl methacrylate	10.655	69	142955	47.06	ug/l	97
57) 1,3-Dichloropropane	10.944	76	221440	49.12	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	361017	261.43	ug/l	100
59) 2-Hexanone	10.985	43	275983	269.06	ug/l	99
60) Dibromochloromethane	11.138	129	168259	46.97	ug/l	97
61) 1,2-Dibromoethane	11.244	107	129452	46.95	ug/l	97
64) Tetrachloroethene	10.873	164	165447	47.85	ug/l	97
65) Chlorobenzene	11.667	112	500298	48.53	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.744	131	186358	47.93	ug/l	98
67) Ethyl Benzene	11.744	91	895508	50.47	ug/l	98
68) m/p-Xylenes	11.850	106	708265	101.86	ug/l	100
69) o-Xylene	12.179	106	315914	51.09	ug/l	99
70) Styrene	12.191	104	557545	51.65	ug/l	98
71) Bromoform	12.355	173	93358	46.16	ug/l #	100
73) Isopropylbenzene	12.479	105	863499	51.23	ug/l	100
74) N-amyl acetate	12.285	43	134010	48.61	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.726	83	140534	46.01	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	89487m	49.36	ug/l	
77) Bromobenzene	12.755	156	193261	48.32	ug/l	98
78) n-propylbenzene	12.814	91	1052454	51.75	ug/l	100
79) 2-Chlorotoluene	12.902	91	566479	50.06	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	722263	51.97	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	45061	50.21	ug/l	94
82) 4-Chlorotoluene	13.002	91	598592	49.65	ug/l	100
83) tert-Butylbenzene	13.220	119	601220	51.91	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	708391	50.67	ug/l	99
85) sec-Butylbenzene	13.396	105	906850	52.07	ug/l	99
86) p-Isopropyltoluene	13.514	119	804686	52.59	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	395701	48.88	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	376843	47.00	ug/l	99
89) n-Butylbenzene	13.838	91	737595	51.74	ug/l	100
90) Hexachloroethane	14.108	117	139186	48.54	ug/l	99
91) 1,2-Dichlorobenzene	13.885	146	332220	47.79	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	21383	45.10	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	204766	48.06	ug/l	99
94) Hexachlorobutadiene	15.261	225	122460	47.90	ug/l	99
95) Naphthalene	15.396	128	352311	44.86	ug/l	98
96) 1,2,3-Trichlorobenzene	15.585	180	174473	47.87	ug/l	98

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

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