

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069229.D
 Acq On : 20 May 2021 20:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:48:15 PM

Quant Time: May 21 00:57:55 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	269854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	428372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	428261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	215870	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	140589	51.97	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.94%			
35) Dibromofluoromethane	7.914	113	146522	52.56	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.12%			
50) Toluene-d8	10.338	98	522144	50.97	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.94%			
62) 4-Bromofluorobenzene	12.626	95	176711	53.61	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.22%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	128897	44.93	ug/l	95
3) Chloromethane	2.209	50	161202	48.89	ug/l	99
4) Vinyl Chloride	2.344	62	208507	47.97	ug/l	97
5) Bromomethane	2.762	94	143941	44.03	ug/l	97
6) Chloroethane	2.915	64	143835	51.45	ug/l	93
7) Trichlorofluoromethane	3.268	101	246475	46.48	ug/l	98
8) Diethyl Ether	3.709	74	65722	54.29	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	147110	48.95	ug/l	95
10) Methyl Iodide	4.297	142	135946	43.59	ug/l	100
11) Tert butyl alcohol	5.226	59	48311	360.65	ug/l	99
12) 1,1-Dichloroethene	4.068	96	130806	48.45	ug/l	96
13) Acrolein	3.920	56	56962	258.79	ug/l	98
14) Allyl chloride	4.709	41	148039	49.99	ug/l	96
15) Acrylonitrile	5.415	53	133020	294.43	ug/l	97
16) Acetone	4.162	43	97438	235.17	ug/l	99
17) Carbon Disulfide	4.403	76	418888	46.80	ug/l	99
18) Methyl Acetate	4.720	43	61739	61.33	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	275039	56.14	ug/l	97
20) Methylene Chloride	4.962	84	188583	57.26	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	159444	49.81	ug/l	94
22) Diisopropyl ether	6.367	45	333445	56.37	ug/l	95
23) Vinyl Acetate	6.303	43	1026816	294.15	ug/l	100
24) 1,1-Dichloroethane	6.262	63	263250	51.52	ug/l	98
25) 2-Butanone	7.214	43	157991	281.40	ug/l	96
26) 2,2-Dichloropropane	7.209	77	222003	46.46	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	178337	51.31	ug/l	97
28) Bromochloromethane	7.550	49	100128	54.97	ug/l	97
29) Tetrahydrofuran	7.567	42	93294	305.68	ug/l	98
30) Chloroform	7.714	83	305114	53.04	ug/l	94
31) Cyclohexane	7.985	56	182839	45.60	ug/l	94
32) 1,1,1-Trichloroethane	7.903	97	267753	51.30	ug/l	100
36) 1,1-Dichloropropene	8.108	75	215868	51.83	ug/l	99
37) Ethyl Acetate	7.291	43	77990	58.29	ug/l	97
38) Carbon Tetrachloride	8.091	117	238820	51.30	ug/l	94
39) Methylcyclohexane	9.355	83	226218	51.50	ug/l	94
40) Benzene	8.350	78	649133	54.41	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.532	41	42555	59.75	ug/l #	74
42) 1,2-Dichloroethane	8.426	62	188335	57.82	ug/l	100
43) Isopropyl Acetate	8.456	43	151444	62.33	ug/l	99
44) Trichloroethene	9.108	130	174510	52.34	ug/l	97
45) 1,2-Dichloropropane	9.385	63	157413	55.90	ug/l	96
46) Dibromomethane	9.473	93	96392	57.27	ug/l	98
47) Bromodichloromethane	9.661	83	245255	57.26	ug/l	98
48) Methyl methacrylate	9.455	41	67725	60.27	ug/l	92
49) 1,4-Dioxane	9.461	88	20351	1242.79	ug/l	92
51) 4-Methyl-2-Pentanone	10.226	43	408354	326.64	ug/l	100
52) Toluene	10.402	92	453303	58.88	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	221087	58.74	ug/l	95
54) cis-1,3-Dichloropropene	10.085	75	249352	55.42	ug/l	96
55) 1,1,2-Trichloroethane	10.797	97	134009	59.07	ug/l	99
56) Ethyl methacrylate	10.661	69	152970	61.50	ug/l	97
57) 1,3-Dichloropropane	10.944	76	216988	59.18	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	350990	312.52	ug/l	99
59) 2-Hexanone	10.985	43	274704	329.29	ug/l	99
60) Dibromochloromethane	11.138	129	169757	58.26	ug/l	99
61) 1,2-Dibromoethane	11.244	107	131369	58.59	ug/l	97
64) Tetrachloroethene	10.873	164	153307	51.51	ug/l	98
65) Chlorobenzene	11.667	112	463264	52.19	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	180835	54.02	ug/l	98
67) Ethyl Benzene	11.744	91	842280	55.14	ug/l	98
68) m/p-Xylenes	11.849	106	646263	107.96	ug/l	100
69) o-Xylene	12.179	106	309709	58.18	ug/l	98
70) Styrene	12.191	104	545410	58.69	ug/l	99
71) Bromoform	12.355	173	100201	57.55	ug/l #	100
73) Isopropylbenzene	12.473	105	784993	52.03	ug/l	99
74) N-amyl acetate	12.285	43	142724	57.84	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.726	83	151685	55.48	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	110061m	67.83	ug/l	
77) Bromobenzene	12.755	156	191586	53.51	ug/l	98
78) n-propylbenzene	12.814	91	952606	52.33	ug/l	100
79) 2-Chlorotoluene	12.902	91	550507	54.35	ug/l	100
80) 1,3,5-Trimethylbenzene	12.955	105	715530	57.52	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	43769	54.48	ug/l	94
82) 4-Chlorotoluene	13.002	91	609261	56.46	ug/l	99
83) tert-Butylbenzene	13.214	119	577635	55.72	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	682298	54.52	ug/l	99
85) sec-Butylbenzene	13.396	105	821177	52.68	ug/l	99
86) p-Isopropyltoluene	13.508	119	732831	53.50	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	388671	53.64	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	384342	53.55	ug/l	99
89) n-Butylbenzene	13.838	91	661315	51.82	ug/l	100
90) Hexachloroethane	14.102	117	131394	51.19	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	335739	53.95	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	23868	56.24	ug/l	97
93) 1,2,4-Trichlorobenzene	15.155	180	200212	52.50	ug/l	99
94) Hexachlorobutadiene	15.261	225	115114	50.30	ug/l	99
95) Naphthalene	15.390	128	372549	52.62	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	189780	58.17	ug/l	99

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

