

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012521\
 Data File : VD068180.D
 Acq On : 25 Jan 2021 20:55
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/26/2021 12:57:35 PM

Quant Time: Jan 26 00:11:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.985	168	416725	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	729801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	654540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	298750	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	197747	49.60	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.20%		
35) Dibromofluoromethane	7.920	113	210267	52.11	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	104.22%		
50) Toluene-d8	10.344	98	746042	46.23	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	92.46%		
62) 4-Bromofluorobenzene	12.632	95	275325	47.37	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.74%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	224576	45.37	ug/l	96
3) Chloromethane	2.209	50	252401	47.35	ug/l	97
4) Vinyl Chloride	2.350	62	297999	50.26	ug/l	99
5) Bromomethane	2.774	94	219685	54.02	ug/l	99
6) Chloroethane	2.926	64	196578	54.27	ug/l	100
7) Trichlorofluoromethane	3.279	101	376046	48.32	ug/l	99
8) Diethyl Ether	3.709	74	117515	51.28	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.103	101	223419	49.22	ug/l	95
10) Methyl Iodide	4.309	142	278379	54.38	ug/l	94
11) Tert butyl alcohol	5.220	59	75979	198.99	ug/l	96
12) 1,1-Dichloroethene	4.073	96	225027	49.29	ug/l	95
13) Acrolein	3.921	56	65251	207.71	ug/l	96
14) Allyl chloride	4.720	41	324113	48.81	ug/l	96
15) Acrylonitrile	5.426	53	245563	270.52	ug/l	98
16) Acetone	4.156	43	220957	310.42	ug/l	98
17) Carbon Disulfide	4.415	76	704731	47.93	ug/l	99
18) Methyl Acetate	4.720	43	103026	55.77	ug/l	95
19) Methyl tert-butyl Ether	5.485	73	553956	52.48	ug/l #	91
20) Methylene Chloride	4.973	84	270086	54.74	ug/l	91
21) trans-1,2-Dichloroethene	5.473	96	268474	51.22	ug/l	96
22) Diisopropyl ether	6.362	45	688668	51.39	ug/l #	94
23) Vinyl Acetate	6.309	43	1847639	258.66	ug/l	99
24) 1,1-Dichloroethane	6.267	63	447567	51.55	ug/l	99
25) 2-Butanone	7.214	43	265409	247.64	ug/l	97
26) 2,2-Dichloropropane	7.214	77	388986	47.35	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	305900	53.76	ug/l	96
28) Bromochloromethane	7.550	49	143424	48.48	ug/l	81
29) Tetrahydrofuran	7.561	42	177858	256.00	ug/l	96
30) Chloroform	7.714	83	464612	52.96	ug/l	100
31) Cyclohexane	7.991	56	393159	45.55	ug/l	90
32) 1,1,1-Trichloroethane	7.909	97	404713	51.18	ug/l	96
36) 1,1-Dichloropropene	8.114	75	351373	47.74	ug/l	98
37) Ethyl Acetate	7.297	43	129990	49.93	ug/l	96
38) Carbon Tetrachloride	8.097	117	341731	49.61	ug/l	99
39) Methylcyclohexane	9.356	83	446725	46.43	ug/l	98
40) Benzene	8.356	78	1050519	51.05	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	85137	54.19	ug/l	90
42) 1,2-Dichloroethane	8.426	62	293815	53.44	ug/l	97
43) Isopropyl Acetate	8.456	43	273505	50.41	ug/l	95
44) Trichloroethene	9.114	130	288193	51.00	ug/l	97
45) 1,2-Dichloropropane	9.391	63	253929	50.39	ug/l	94
46) Dibromomethane	9.479	93	138007	54.05	ug/l	96
47) Bromodichloromethane	9.667	83	365202	53.01	ug/l	99
48) Methyl methacrylate	9.456	41	123895	45.88	ug/l	91
49) 1,4-Dioxane	9.461	88	30879	1031.98	ug/l	94
51) 4-Methyl-2-Pentanone	10.232	43	644086	255.40	ug/l	98
52) Toluene	10.403	92	804274	59.99	ug/l	96
53) t-1,3-Dichloropropene	10.626	75	357710	51.30	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	415111	50.01	ug/l	94
55) 1,1,2-Trichloroethane	10.803	97	196269	54.24	ug/l	96
56) Ethyl methacrylate	10.661	69	246079	51.05	ug/l	95
57) 1,3-Dichloropropane	10.950	76	331483	51.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	578758	260.19	ug/l	93
59) 2-Hexanone	10.985	43	433247	247.84	ug/l	98
60) Dibromochloromethane	11.144	129	243298	53.63	ug/l	100
61) 1,2-Dibromoethane	11.250	107	188111	52.69	ug/l	98
64) Tetrachloroethene	10.879	164	231484	50.18	ug/l	96
65) Chlorobenzene	11.673	112	714440	51.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	257501	52.64	ug/l	97
67) Ethyl Benzene	11.744	91	1309708	50.86	ug/l	99
68) m/p-Xylenes	11.855	106	993149	102.16	ug/l	100
69) o-Xylene	12.179	106	464925	51.50	ug/l	97
70) Styrene	12.197	104	797498	51.75	ug/l	99
71) Bromoform	12.361	173	131415	53.00	ug/l #	99
73) Isopropylbenzene	12.479	105	1216896	48.95	ug/l	99
74) N-amyl acetate	12.291	43	249377	48.26	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	203923	51.58	ug/l	98
76) 1,2,3-Trichloropropane	12.785	75	139744m	48.38	ug/l	
77) Bromobenzene	12.761	156	279781	52.50	ug/l	90
78) n-propylbenzene	12.820	91	1435980	48.83	ug/l	97
79) 2-Chlorotoluene	12.908	91	811206	49.13	ug/l	97
80) 1,3,5-Trimethylbenzene	12.961	105	1028828	49.69	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.526	75	71046	49.77	ug/l	95
82) 4-Chlorotoluene	13.002	91	860651	50.12	ug/l	97
83) tert-Butylbenzene	13.226	119	855807	48.78	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	1028821	50.06	ug/l	98
85) sec-Butylbenzene	13.402	105	1179832	48.08	ug/l	99
86) p-Isopropyltoluene	13.514	119	1088595	48.77	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	529805	51.70	ug/l	99
88) 1,4-Dichlorobenzene	13.596	146	513861	50.90	ug/l	99
89) n-Butylbenzene	13.844	91	1019756	47.61	ug/l	99
90) Hexachloroethane	14.108	117	192376	47.72	ug/l	95
91) 1,2-Dichlorobenzene	13.891	146	450435	51.32	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.508	75	32187	49.74	ug/l	83
93) 1,2,4-Trichlorobenzene	15.161	180	304904	50.67	ug/l	98
94) Hexachlorobutadiene	15.267	225	163912	49.14	ug/l	99
95) Naphthalene	15.396	128	576392	51.09	ug/l	100
96) 1,2,3-Trichlorobenzene	15.591	180	258401	50.91	ug/l	99

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

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