

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030421\
 Data File : VD068534.D
 Acq On : 04 Mar 2021 19:21
 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
 3/5/2021 10:11:13 AM

Quant Time: Mar 05 00:04:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 26 14:04:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	249490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	433480	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	407057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	204588	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	125680	50.42	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.84%			
35) Dibromofluoromethane	7.914	113	135333	51.83	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.66%			
50) Toluene-d8	10.344	98	502379	48.30	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.60%			
62) 4-Bromofluorobenzene	12.632	95	168515	50.27	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.54%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	111422	46.02	ug/l	98
3) Chloromethane	2.209	50	145941	47.70	ug/l	95
4) Vinyl Chloride	2.350	62	165580	45.57	ug/l	97
5) Bromomethane	2.768	94	123082	47.58	ug/l	97
6) Chloroethane	2.921	64	114667	48.81	ug/l	100
7) Trichlorofluoromethane	3.274	101	224456	54.16	ug/l	100
8) Diethyl Ether	3.715	74	72629	58.86	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	139623	55.29	ug/l	95
10) Methyl Iodide	4.303	142	150415	49.83	ug/l	96
11) Tert butyl alcohol	5.215	59	37181	279.36	ug/l #	88
12) 1,1-Dichloroethene	4.073	96	138237	55.17	ug/l	98
13) Acrolein	3.926	56	51776	272.19	ug/l	97
14) Allyl chloride	4.715	41	170174	52.60	ug/l	97
15) Acrylonitrile	5.426	53	146071	280.47	ug/l	98
16) Acetone	4.156	43	102649	259.25	ug/l	91
17) Carbon Disulfide	4.415	76	437468	53.29	ug/l	100
18) Methyl Acetate	4.721	43	61119	59.89	ug/l	96
19) Methyl tert-butyl Ether	5.473	73	286123	52.67	ug/l	98
20) Methylene Chloride	4.968	84	184113	63.28	ug/l	96
21) trans-1,2-Dichloroethene	5.473	96	148549	49.66	ug/l	94
22) Diisopropyl ether	6.367	45	350845	49.25	ug/l	93
23) Vinyl Acetate	6.309	43	938685	253.96	ug/l	99
24) 1,1-Dichloroethane	6.267	63	243684	49.90	ug/l	99
25) 2-Butanone	7.214	43	142234	249.90	ug/l	100
26) 2,2-Dichloropropane	7.209	77	190102	46.73	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	162490	49.47	ug/l	96
28) Bromochloromethane	7.544	49	97527	51.17	ug/l	84
29) Tetrahydrofuran	7.562	42	92431	250.09	ug/l	99
30) Chloroform	7.709	83	269071	52.18	ug/l	97
31) Cyclohexane	7.985	56	193360	42.65	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	218924	49.74	ug/l	97
36) 1,1-Dichloropropene	8.114	75	191494	46.47	ug/l	99
37) Ethyl Acetate	7.297	43	67977	49.72	ug/l	95
38) Carbon Tetrachloride	8.103	117	188320	48.64	ug/l	97
39) Methylcyclohexane	9.356	83	232658	45.78	ug/l	95
40) Benzene	8.350	78	582599	49.29	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	38634	48.68	ug/l #	89
42) 1,2-Dichloroethane	8.426	62	156601	50.39	ug/l	100
43) Isopropyl Acetate	8.450	43	131976	52.52	ug/l	99
44) Trichloroethene	9.114	130	163861	50.51	ug/l	99
45) 1,2-Dichloropropane	9.391	63	142747	50.52	ug/l	96
46) Dibromomethane	9.479	93	80473	52.35	ug/l	96
47) Bromodichloromethane	9.667	83	213308	53.65	ug/l	99
48) Methyl methacrylate	9.456	41	63163	47.16	ug/l	86
49) 1,4-Dioxane	9.467	88	18351	1046.83	ug/l	92
51) 4-Methyl-2-Pentanone	10.232	43	344521	262.03	ug/l	100
52) Toluene	10.403	92	377432	50.01	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	191404	52.08	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	222849	49.70	ug/l	96
55) 1,1,2-Trichloroethane	10.803	97	114638	53.89	ug/l	96
56) Ethyl methacrylate	10.661	69	129334	52.89	ug/l	96
57) 1,3-Dichloropropane	10.950	76	191090	51.46	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.944	63	317592	258.90	ug/l	95
59) 2-Hexanone	10.985	43	230694	263.23	ug/l	99
60) Dibromochloromethane	11.144	129	143706	54.57	ug/l	98
61) 1,2-Dibromoethane	11.244	107	110628	53.14	ug/l	99
64) Tetrachloroethene	10.879	164	131805	49.59	ug/l	93
65) Chlorobenzene	11.667	112	412784	49.80	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.744	131	151729	52.65	ug/l	99
67) Ethyl Benzene	11.744	91	728625	49.24	ug/l	100
68) m/p-Xylenes	11.855	106	563102	100.20	ug/l	99
69) o-Xylene	12.179	106	262051	50.63	ug/l	95
70) Styrene	12.197	104	464002	52.42	ug/l	98
71) Bromoform	12.361	173	81108	55.41	ug/l #	97
73) Isopropylbenzene	12.479	105	696770	45.92	ug/l	100
74) N-amyl acetate	12.291	43	128869	49.85	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.732	83	123800	47.42	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	87467m	48.16	ug/l	
77) Bromobenzene	12.761	156	168379	48.63	ug/l	95
78) n-propylbenzene	12.820	91	833842	45.99	ug/l	97
79) 2-Chlorotoluene	12.908	91	465929	46.30	ug/l	98
80) 1,3,5-Trimethylbenzene	12.961	105	585908	47.11	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.526	75	37408	48.06	ug/l	96
82) 4-Chlorotoluene	13.002	91	493968	46.65	ug/l	99
83) tert-Butylbenzene	13.220	119	497362	46.97	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	598957	48.09	ug/l	98
85) sec-Butylbenzene	13.402	105	689332	46.09	ug/l	99
86) p-Isopropyltoluene	13.514	119	642331	47.31	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	326847	48.87	ug/l	100
88) 1,4-Dichlorobenzene	13.591	146	323848	48.88	ug/l	99
89) n-Butylbenzene	13.844	91	593384	45.31	ug/l	98
90) Hexachloroethane	14.108	117	141827	52.56	ug/l	94
91) 1,2-Dichlorobenzene	13.885	146	287946	50.20	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.502	75	21502	46.73	ug/l	97
93) 1,2,4-Trichlorobenzene	15.161	180	221403	49.97	ug/l	99
94) Hexachlorobutadiene	15.267	225	118368	48.13	ug/l	99
95) Naphthalene	15.396	128	403975	50.36	ug/l	99
96) 1,2,3-Trichlorobenzene	15.591	180	190840	49.75	ug/l	99

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

