

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042321\
 Data File : VD068978.D
 Acq On : 23 Apr 2021 20:14
 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
 4/26/2021 4:53:27 PM

Quant Time: Apr 26 09:53:36 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	270067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	462149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	453674	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	225140	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	139735	48.96	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.92%		
35) Dibromofluoromethane	7.920	113	154608	51.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.86%		
50) Toluene-d8	10.338	98	573155	50.54	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.08%		
62) 4-Bromofluorobenzene	12.632	95	200210	53.16	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	106.32%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	115315	43.09	ug/l	100
3) Chloromethane	2.209	50	140739	44.73	ug/l	99
4) Vinyl Chloride	2.350	62	181702	45.97	ug/l	96
5) Bromomethane	2.768	94	140064	47.41	ug/l	99
6) Chloroethane	2.921	64	126791	48.82	ug/l	100
7) Trichlorofluoromethane	3.273	101	229333	49.31	ug/l	96
8) Diethyl Ether	3.709	74	69884	55.64	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.097	101	143096	50.99	ug/l	96
10) Methyl Iodide	4.303	142	142036	43.55	ug/l	99
11) Tert butyl alcohol	5.226	59	39480	262.00	ug/l	99
12) 1,1-Dichloroethene	4.073	96	135540	50.14	ug/l	97
13) Acrolein	3.921	56	21553	191.85	ug/l	96
14) Allyl chloride	4.720	41	142500	46.77	ug/l	96
15) Acrylonitrile	5.426	53	131798	233.83	ug/l	98
16) Acetone	4.156	43	88916	224.96	ug/l	89
17) Carbon Disulfide	4.415	76	394228	45.06	ug/l	100
18) Methyl Acetate	4.720	43	57408	52.87	ug/l #	72
19) Methyl tert-butyl Ether	5.485	73	316171	52.71	ug/l	97
20) Methylene Chloride	4.968	84	184235	58.35	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	163941	47.23	ug/l	95
22) Diisopropyl ether	6.367	45	353958	47.95	ug/l	92
23) Vinyl Acetate	6.309	43	977906	249.97	ug/l	96
24) 1,1-Dichloroethane	6.267	63	264965	47.61	ug/l	99
25) 2-Butanone	7.214	43	148942	266.30	ug/l	97
26) 2,2-Dichloropropane	7.209	77	231661	50.96	ug/l	100
27) cis-1,2-Dichloroethene	7.214	96	193494	56.08	ug/l	95
28) Bromochloromethane	7.550	49	112083	55.79	ug/l	90
29) Tetrahydrofuran	7.562	42	92302	245.39	ug/l	95
30) Chloroform	7.714	83	303240	49.78	ug/l	99
31) Cyclohexane	7.985	56	194586	40.97	ug/l	98
32) 1,1,1-Trichloroethane	7.909	97	257563	48.39	ug/l	98
36) 1,1-Dichloropropene	8.114	75	214727	45.90	ug/l	97
37) Ethyl Acetate	7.297	43	71691	52.17	ug/l	97
38) Carbon Tetrachloride	8.097	117	225570	48.70	ug/l	99
39) Methylcyclohexane	9.356	83	259810	47.63	ug/l	97
40) Benzene	8.350	78	649669	47.46	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	43631m	53.64	ug/l	
42) 1,2-Dichloroethane	8.426	62	175706	48.56	ug/l	99
43) Isopropyl Acetate	8.456	43	132748	47.39	ug/l	95
44) Trichloroethene	9.114	130	187057	49.47	ug/l	88
45) 1,2-Dichloropropane	9.391	63	153294	46.88	ug/l	98
46) Dibromomethane	9.473	93	94285	51.77	ug/l	95
47) Bromodichloromethane	9.661	83	240361	50.51	ug/l	99
48) Methyl methacrylate	9.456	41	68333	49.51	ug/l	89
49) 1,4-Dioxane	9.461	88	21686	1124.59	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	359314	254.51	ug/l	100
52) Toluene	10.403	92	441211	50.90	ug/l	100
53) t-1,3-Dichloropropene	10.620	75	217088	51.47	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	254967	50.54	ug/l	99
55) 1,1,2-Trichloroethane	10.803	97	133713	51.92	ug/l	95
56) Ethyl methacrylate	10.661	69	148410	55.98	ug/l	99
57) 1,3-Dichloropropane	10.944	76	219395	51.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.944	63	341939	242.80	ug/l	97
59) 2-Hexanone	10.985	43	249072	263.66	ug/l	99
60) Dibromochloromethane	11.138	129	177065	54.83	ug/l	98
61) 1,2-Dibromoethane	11.244	107	131131	52.39	ug/l	98
64) Tetrachloroethene	10.879	164	153225	48.18	ug/l	98
65) Chlorobenzene	11.667	112	494907	50.39	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.744	131	180644	51.16	ug/l	97
67) Ethyl Benzene	11.744	91	857385	50.42	ug/l	100
68) m/p-Xylenes	11.850	106	667196	101.68	ug/l	96
69) o-Xylene	12.179	106	315932	52.95	ug/l	98
70) Styrene	12.191	104	549208	52.81	ug/l	98
71) Bromoform	12.355	173	100735	53.25	ug/l #	99
73) Isopropylbenzene	12.479	105	838664	51.02	ug/l	100
74) N-amyl acetate	12.285	43	132036	47.36	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.726	83	175037	56.97	ug/l	89
76) 1,2,3-Trichloropropane	12.779	75	97037m	47.18	ug/l	
77) Bromobenzene	12.761	156	201671	51.03	ug/l	95
78) n-propylbenzene	12.820	91	984761	49.32	ug/l	99
79) 2-Chlorotoluene	12.902	91	545096	48.87	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	700721	50.99	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	42891	48.39	ug/l	97
82) 4-Chlorotoluene	13.002	91	569528	48.17	ug/l	95
83) tert-Butylbenzene	13.220	119	596001	51.11	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	707241	50.95	ug/l	98
85) sec-Butylbenzene	13.397	105	833719	50.67	ug/l	100
86) p-Isopropyltoluene	13.514	119	770286	51.25	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	388821	49.66	ug/l	97
88) 1,4-Dichlorobenzene	13.591	146	388226	50.10	ug/l	99
89) n-Butylbenzene	13.838	91	720611	50.90	ug/l	99
90) Hexachloroethane	14.108	117	146400	48.90	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	349641	51.61	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.502	75	22517	48.21	ug/l	92
93) 1,2,4-Trichlorobenzene	15.155	180	231071	55.11	ug/l	99
94) Hexachlorobutadiene	15.261	225	125223	52.17	ug/l	97
95) Naphthalene	15.396	128	431886	59.14	ug/l	99
96) 1,2,3-Trichlorobenzene	15.591	180	205823	56.13	ug/l	98

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

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