

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042221\
 Data File : VD068943.D
 Acq On : 22 Apr 2021 10:19
 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
 4/23/2021 6:13:10 PM

Quant Time: Apr 23 08:42:44 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	293315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	455972	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	420769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	212573	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	127173	41.02	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.04%		
35) Dibromofluoromethane	7.920	113	146821	49.50	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.00%		
50) Toluene-d8	10.338	98	546612	48.86	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.72%		
62) 4-Bromofluorobenzene	12.632	95	178619	48.07	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.14%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	136294	46.90	ug/l	99
3) Chloromethane	2.215	50	138495	40.53	ug/l	99
4) Vinyl Chloride	2.356	62	192494	44.84	ug/l	99
5) Bromomethane	2.768	94	153934	47.97	ug/l	97
6) Chloroethane	2.926	64	127812	45.31	ug/l	98
7) Trichlorofluoromethane	3.279	101	265865	52.64	ug/l	96
8) Diethyl Ether	3.709	74	62058	45.50	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.097	101	162270	53.23	ug/l	99
10) Methyl Iodide	4.309	142	173596	48.73	ug/l	98
11) Tert butyl alcohol	5.214	59	30812	178.73	ug/l	99
12) 1,1-Dichloroethene	4.073	96	145170	49.44	ug/l	97
13) Acrolein	3.926	56	20349	166.78	ug/l	94
14) Allyl chloride	4.720	41	148280	44.81	ug/l	94
15) Acrylonitrile	5.426	53	117962	192.70	ug/l	94
16) Acetone	4.156	43	123876	288.57	ug/l	93
17) Carbon Disulfide	4.414	76	439681	46.27	ug/l	100
18) Methyl Acetate	4.720	43	49763	42.20	ug/l	97
19) Methyl tert-butyl Ether	5.479	73	270657	41.55	ug/l	95
20) Methylene Chloride	4.973	84	165780	47.43	ug/l	95
21) trans-1,2-Dichloroethene	5.473	96	160079	42.46	ug/l	96
22) Diisopropyl ether	6.367	45	338379	42.21	ug/l	98
23) Vinyl Acetate	6.308	43	909551	214.07	ug/l	96
24) 1,1-Dichloroethane	6.261	63	266070	44.02	ug/l	99
25) 2-Butanone	7.214	43	135869	223.67	ug/l	97
26) 2,2-Dichloropropane	7.208	77	257674	52.19	ug/l	99
27) cis-1,2-Dichloroethene	7.214	96	189194	50.49	ug/l	98
28) Bromochloromethane	7.550	49	107047	49.06	ug/l	91
29) Tetrahydrofuran	7.561	42	81325	199.07	ug/l	94
30) Chloroform	7.708	83	301765	45.61	ug/l	95
31) Cyclohexane	7.985	56	220441	42.74	ug/l	96
32) 1,1,1-Trichloroethane	7.908	97	274566	47.49	ug/l	97
36) 1,1-Dichloropropene	8.114	75	232383	50.35	ug/l	98
37) Ethyl Acetate	7.297	43	63736	47.01	ug/l	94
38) Carbon Tetrachloride	8.097	117	249901	54.69	ug/l	95
39) Methylcyclohexane	9.355	83	283405	52.65	ug/l	98
40) Benzene	8.350	78	662290	49.04	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	34946	43.54	ug/l #	87
42) 1,2-Dichloroethane	8.426	62	167623	46.95	ug/l	99
43) Isopropyl Acetate	8.450	43	118450	42.86	ug/l	97
44) Trichloroethene	9.114	130	196347	52.64	ug/l	93
45) 1,2-Dichloropropane	9.385	63	153104	47.46	ug/l	97
46) Dibromomethane	9.479	93	88811	49.42	ug/l	95
47) Bromodichloromethane	9.661	83	230985	49.20	ug/l	99
48) Methyl methacrylate	9.461	41	62009	45.53	ug/l	96
49) 1,4-Dioxane	9.455	88	17581	924.07	ug/l	90
51) 4-Methyl-2-Pentanone	10.226	43	314498	225.78	ug/l	99
52) Toluene	10.402	92	443462	51.86	ug/l	99
53) t-1,3-Dichloropropene	10.620	75	204297	49.10	ug/l	99
54) cis-1,3-Dichloropropene	10.091	75	247002	49.62	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	122704	48.29	ug/l	97
56) Ethyl methacrylate	10.661	69	125427	47.95	ug/l	97
57) 1,3-Dichloropropane	10.944	76	200908	48.02	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.944	63	324631	234.28	ug/l	97
59) 2-Hexanone	10.985	43	230983	247.83	ug/l	99
60) Dibromochloromethane	11.138	129	163251	51.24	ug/l	99
61) 1,2-Dibromoethane	11.249	107	118879	48.14	ug/l	99
64) Tetrachloroethene	10.879	164	156924	53.20	ug/l	95
65) Chlorobenzene	11.673	112	474431	52.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.743	131	171814	52.47	ug/l	97
67) Ethyl Benzene	11.743	91	849744	53.87	ug/l	99
68) m/p-Xylenes	11.855	106	664734	109.22	ug/l	97
69) o-Xylene	12.179	106	297123	53.69	ug/l	97
70) Styrene	12.196	104	516097	53.51	ug/l	99
71) Bromoform	12.361	173	90252	51.44	ug/l #	97
73) Isopropylbenzene	12.479	105	816343	52.60	ug/l	99
74) N-amyl acetate	12.291	43	113202	43.01	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.732	83	133217	45.92	ug/l	99
76) 1,2,3-Trichloropropane	12.779	75	90603m	46.65	ug/l	
77) Bromobenzene	12.761	156	190677	51.10	ug/l	94
78) n-propylbenzene	12.820	91	995176	52.79	ug/l	99
79) 2-Chlorotoluene	12.908	91	528574	50.19	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	689145	53.11	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	39441	47.13	ug/l	94
82) 4-Chlorotoluene	13.002	91	562748	50.41	ug/l	98
83) tert-Butylbenzene	13.220	119	596318	54.16	ug/l	97
84) 1,2,4-Trimethylbenzene	13.267	105	685236	52.29	ug/l	97
85) sec-Butylbenzene	13.396	105	847794	54.57	ug/l	99
86) p-Isopropyltoluene	13.514	119	769262	54.21	ug/l	100
87) 1,3-Dichlorobenzene	13.514	146	378165	51.16	ug/l	99
88) 1,4-Dichlorobenzene	13.590	146	364299	49.79	ug/l	99
89) n-Butylbenzene	13.838	91	712907	53.34	ug/l	99
90) Hexachloroethane	14.108	117	145790	51.58	ug/l	96
91) 1,2-Dichlorobenzene	13.885	146	317360	49.61	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.502	75	19270	43.70	ug/l	95
93) 1,2,4-Trichlorobenzene	15.161	180	202744	51.22	ug/l	98
94) Hexachlorobutadiene	15.267	225	128085	56.52	ug/l	99
95) Naphthalene	15.396	128	342660	49.70	ug/l	99
96) 1,2,3-Trichlorobenzene	15.590	180	174121	50.29	ug/l	98

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

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