

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
 Data File : VD070466.D
 Acq On : 24 Sep 2021 20:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:58:20 AM

Quant Time: Sep 25 03:10:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	338774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.862	114	599981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	597508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	283457	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198972	45.74	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.48%		
35) Dibromofluoromethane	7.915	113	206852	48.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.86%		
50) Toluene-d8	10.338	98	782445	50.46	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.92%		
62) 4-Bromofluorobenzene	12.620	95	269063	49.65	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.30%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.985	85	140757	40.74	ug/l	98
3) Chloromethane	2.209	50	196307	42.20	ug/l	99
4) Vinyl Chloride	2.350	62	215632	40.45	ug/l	97
5) Bromomethane	2.762	94	148707	45.47	ug/l	98
6) Chloroethane	2.921	64	149406	46.01	ug/l	98
7) Trichlorofluoromethane	3.268	101	293656	41.65	ug/l	95
8) Diethyl Ether	3.709	74	84125	43.16	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	185458	42.35	ug/l	100
10) Methyl Iodide	4.303	142	176893	42.36	ug/l	96
11) Tert butyl alcohol	5.209	59	82031	166.78	ug/l #	100
12) 1,1-Dichloroethene	4.068	96	163248	41.39	ug/l	94
13) Acrolein	3.921	56	34143	157.89	ug/l	98
14) Allyl chloride	4.715	41	238048	41.07	ug/l	98
15) Acrylonitrile	5.415	53	213891	230.34	ug/l	98
16) Acetone	4.156	43	137833	177.48	ug/l	98
17) Carbon Disulfide	4.403	76	571702	39.29	ug/l	98
18) Methyl Acetate	4.715	43	107851	50.62	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	396507	46.52	ug/l	97
20) Methylene Chloride	4.962	84	259674	54.28	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	216258	46.06	ug/l	98
22) Diisopropyl ether	6.362	45	583414	47.03	ug/l	98
23) Vinyl Acetate	6.309	43	1280429	222.81	ug/l	99
24) 1,1-Dichloroethane	6.262	63	390786	44.52	ug/l	98
25) 2-Butanone	7.209	43	222106	214.84	ug/l	95
26) 2,2-Dichloropropane	7.209	77	298230	42.04	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	237382	47.07	ug/l	99
28) Bromochloromethane	7.544	49	179592	51.57	ug/l	97
29) Tetrahydrofuran	7.562	42	147985	222.99	ug/l	99
30) Chloroform	7.709	83	418776	46.54	ug/l	99
31) Cyclohexane	7.985	56	298508	39.84	ug/l	96
32) 1,1,1-Trichloroethane	7.897	97	341766	45.12	ug/l	98
36) 1,1-Dichloropropene	8.109	75	293940	45.83	ug/l	99
37) Ethyl Acetate	7.291	43	107491	44.82	ug/l	99
38) Carbon Tetrachloride	8.091	117	299088	47.16	ug/l	98
39) Methylcyclohexane	9.350	83	313491	43.76	ug/l	97
40) Benzene	8.350	78	904851	48.15	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	56603	44.86	ug/l	94
42) 1,2-Dichloroethane	8.420	62	234403	46.57	ug/l	100
43) Isopropyl Acetate	8.450	43	192798	43.48	ug/l	98
44) Trichloroethene	9.109	130	213378	47.51	ug/l	93
45) 1,2-Dichloropropane	9.385	63	237093	48.09	ug/l	96
46) Dibromomethane	9.473	93	123188	48.52	ug/l	98
47) Bromodichloromethane	9.656	83	311613	48.11	ug/l	97
48) Methyl methacrylate	9.450	41	88821	43.39	ug/l	91
49) 1,4-Dioxane	9.461	88	25764	1013.10	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	543578	236.91	ug/l	99
52) Toluene	10.397	92	575375	50.67	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	264255	47.43	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	322398	47.54	ug/l	96
55) 1,1,2-Trichloroethane	10.791	97	172594	49.41	ug/l	97
56) Ethyl methacrylate	10.656	69	190878	50.06	ug/l	99
57) 1,3-Dichloropropane	10.938	76	294731	49.56	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	469381	255.40	ug/l	98
59) 2-Hexanone	10.979	43	361617	236.22	ug/l	100
60) Dibromochloromethane	11.132	129	203440	50.05	ug/l	97
61) 1,2-Dibromoethane	11.238	107	157114	48.91	ug/l	99
64) Tetrachloroethene	10.867	164	178064	48.95	ug/l	97
65) Chlorobenzene	11.661	112	581556	46.98	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	218297	48.15	ug/l	99
67) Ethyl Benzene	11.738	91	1054307	49.39	ug/l	98
68) m/p-Xylenes	11.844	106	838410	101.69	ug/l	99
69) o-Xylene	12.173	106	370164	50.11	ug/l	98
70) Styrene	12.185	104	680407	52.73	ug/l	99
71) Bromoform	12.350	173	107542	48.00	ug/l #	99
73) Isopropylbenzene	12.473	105	968509	48.72	ug/l	100
74) N-amyl acetate	12.279	43	181863	41.99	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	190811	44.82	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	119456m	41.66	ug/l	
77) Bromobenzene	12.750	156	221145	48.22	ug/l	97
78) n-propylbenzene	12.808	91	1257282	48.73	ug/l	100
79) 2-Chlorotoluene	12.897	91	723687	48.12	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	852673	49.70	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	52585	45.95	ug/l	98
82) 4-Chlorotoluene	12.997	91	763909	48.15	ug/l	99
83) tert-Butylbenzene	13.214	119	679671	49.40	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	855555	50.64	ug/l	100
85) sec-Butylbenzene	13.391	105	1055272	48.25	ug/l	100
86) p-Isopropyltoluene	13.502	119	869415	49.47	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	452882	47.43	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	449166	46.87	ug/l	100
89) n-Butylbenzene	13.832	91	801125	45.72	ug/l	100
90) Hexachloroethane	14.097	117	177335	44.08	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	399302	47.40	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	27306	42.82	ug/l	96
93) 1,2,4-Trichlorobenzene	15.144	180	204956	45.05	ug/l	98
94) Hexachlorobutadiene	15.249	225	121291	43.47	ug/l	99
95) Naphthalene	15.385	128	374947	45.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	182240	45.40	ug/l	97

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

