

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061421\
 Data File : VD069437.D
 Acq On : 14 Jun 2021 20:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/15/2021 5:14:43 PM

Quant Time: Jun 15 07:31:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	454606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	746333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	749670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	357659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	263156	51.311	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.620%			
35) Dibromofluoromethane	7.914	113	288158	51.548	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.100%			
50) Toluene-d8	10.338	98	1059899	51.840	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.680%			
62) 4-Bromofluorobenzene	12.626	95	350653	53.452	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	196246	43.330	ug/l	99
3) Chloromethane	2.209	50	189933	41.922	ug/l	99
4) Vinyl Chloride	2.350	62	233362	42.586	ug/l	100
5) Bromomethane	2.768	94	194846	46.787	ug/l	94
6) Chloroethane	2.921	64	167312	44.379	ug/l	95
7) Trichlorofluoromethane	3.268	101	415193	46.324	ug/l	99
8) Diethyl Ether	3.709	74	119127	52.941	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.097	101	244112	45.800	ug/l	98
10) Methyl Iodide	4.303	142	254944	46.591	ug/l	99
11) Tert butyl alcohol	5.215	59	60504	226.917	ug/l	95
12) 1,1-Dichloroethene	4.062	96	231571	48.030	ug/l	93
13) Acrolein	3.921	56	80899	243.378	ug/l	96
14) Allyl chloride	4.709	41	282895	49.888	ug/l	99
15) Acrylonitrile	5.415	53	223798	258.858	ug/l	98
16) Acetone	4.156	43	173409	204.272	ug/l	98
17) Carbon Disulfide	4.409	76	739396	47.410	ug/l	99
18) Methyl Acetate	4.715	43	108856	52.843	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	494008	56.198	ug/l	97
20) Methylene Chloride	4.968	84	352211	57.800	ug/l	98
21) trans-1,2-Dichloroethene	5.468	96	286412	50.737	ug/l	100
22) Diisopropyl ether	6.362	45	618406	54.849	ug/l	94
23) Vinyl Acetate	6.309	43	1774941	245.176	ug/l	98
24) 1,1-Dichloroethane	6.268	63	468182	49.881	ug/l	99
25) 2-Butanone	7.209	43	272600	257.522	ug/l	96
26) 2,2-Dichloropropane	7.209	77	385359	46.598	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	317789	52.009	ug/l	97
28) Bromochloromethane	7.550	49	176007	51.188	ug/l	91
29) Tetrahydrofuran	7.562	42	161821	271.646	ug/l	97
30) Chloroform	7.709	83	523566	50.064	ug/l	95
31) Cyclohexane	7.985	56	312074	44.779	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	452539	49.258	ug/l	99
36) 1,1-Dichloropropene	8.109	75	372103	47.880	ug/l	99
37) Ethyl Acetate	7.291	43	130119	50.045	ug/l	96
38) Carbon Tetrachloride	8.097	117	390924	46.436	ug/l	92
39) Methylcyclohexane	9.356	83	385838	49.359	ug/l	93
40) Benzene	8.350	78	1121715	49.592	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	76235	58.936	ug/l #	81
42) 1,2-Dichloroethane	8.420	62	304401	49.046	ug/l	100
43) Isopropyl Acetate	8.450	43	247288	50.299	ug/l	99
44) Trichloroethene	9.109	130	311498	49.381	ug/l	96
45) 1,2-Dichloropropane	9.385	63	277961	50.341	ug/l	100
46) Dibromomethane	9.473	93	162998	51.520	ug/l	95
47) Bromodichloromethane	9.661	83	408974	50.139	ug/l	96
48) Methyl methacrylate	9.456	41	117862	52.716	ug/l	91
49) 1,4-Dioxane	9.461	88	33422	1084.798	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	659055	262.748	ug/l	99
52) Toluene	10.403	92	742289	51.684	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	361288	51.710	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	426546	50.787	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	224745	51.392	ug/l	98
56) Ethyl methacrylate	10.656	69	247165	49.522	ug/l	97
57) 1,3-Dichloropropane	10.944	76	371718	52.216	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	649999	258.124	ug/l	98
59) 2-Hexanone	10.979	43	449240	268.311	ug/l	98
60) Dibromochloromethane	11.138	129	288824	51.821	ug/l	99
61) 1,2-Dibromoethane	11.244	107	217606	51.801	ug/l	99
64) Tetrachloroethene	10.873	164	271752	46.871	ug/l	96
65) Chlorobenzene	11.667	112	805307	48.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	307736	48.624	ug/l	98
67) Ethyl Benzene	11.738	91	1387949	50.192	ug/l	100
68) m/p-Xylenes	11.850	106	1090108	99.241	ug/l	100
69) o-Xylene	12.173	106	512608	52.740	ug/l	98
70) Styrene	12.191	104	894743	52.319	ug/l	99
71) Bromoform	12.355	173	161845	49.394	ug/l #	98
73) Isopropylbenzene	12.473	105	1323168	52.621	ug/l	100
74) N-amyl acetate	12.285	43	235816	52.277	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.726	83	240392	49.794	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	170623m	47.055	ug/l	
77) Bromobenzene	12.755	156	322369	51.132	ug/l	98
78) n-propylbenzene	12.814	91	1566919	50.778	ug/l	99
79) 2-Chlorotoluene	12.902	91	899168	51.261	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	1122112	52.935	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	67042	49.324	ug/l	93
82) 4-Chlorotoluene	12.997	91	950292	50.904	ug/l	100
83) tert-Butylbenzene	13.214	119	925371	51.278	ug/l	98
84) 1,2,4-Trimethylbenzene	13.261	105	1122505	52.965	ug/l	99
85) sec-Butylbenzene	13.397	105	1339836	50.503	ug/l	99
86) p-Isopropyltoluene	13.508	119	1182039	51.287	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	618610	48.994	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	607102	48.271	ug/l	98
89) n-Butylbenzene	13.832	91	1074593	50.120	ug/l	99
90) Hexachloroethane	14.102	117	205752	45.864	ug/l	97
91) 1,2-Dichlorobenzene	13.879	146	548207	49.767	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	37395	51.434	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	331938	51.787	ug/l	99
94) Hexachlorobutadiene	15.255	225	192653	48.067	ug/l	98
95) Naphthalene	15.391	128	619872	50.024	ug/l	99
96) 1,2,3-Trichlorobenzene	15.585	180	291225	52.332	ug/l	98

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

