

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069682.D
 Acq On : 13 Jul 2021 20:52
 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
 7/15/2021 5:31:34 PM

Quant Time: Jul 14 06:08:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	623316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1118797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1089082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	504860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	387488	49.787	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.580%		
35) Dibromofluoromethane	7.914	113	377871	50.344	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.680%		
50) Toluene-d8	10.338	98	1500834	51.469	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.940%		
62) 4-Bromofluorobenzene	12.626	95	504292	51.854	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	315189	49.062	ug/l	100
3) Chloromethane	2.209	50	464066	52.773	ug/l	98
4) Vinyl Chloride	2.344	62	486729	51.334	ug/l	100
5) Bromomethane	2.762	94	299343	51.134	ug/l	95
6) Chloroethane	2.915	64	320824	52.884	ug/l	98
7) Trichlorofluoromethane	3.268	101	577810	48.324	ug/l	97
8) Diethyl Ether	3.709	74	187835	53.843	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.097	101	360381	48.601	ug/l	100
10) Methyl Iodide	4.297	142	352425	45.669	ug/l	99
11) Tert butyl alcohol	5.197	59	182343m	175.354	ug/l	
12) 1,1-Dichloroethene	4.062	96	347749	51.157	ug/l	98
13) Acrolein	3.920	56	115822	215.857	ug/l	96
14) Allyl chloride	4.715	41	551476	52.505	ug/l	99
15) Acrylonitrile	5.420	53	429537	271.529	ug/l	99
16) Acetone	4.156	43	307077	199.097	ug/l	97
17) Carbon Disulfide	4.409	76	1261417	52.563	ug/l	97
18) Methyl Acetate	4.715	43	181743	47.797	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	794643	55.221	ug/l	98
20) Methylene Chloride	4.962	84	681642	67.506	ug/l	100
21) trans-1,2-Dichloroethene	5.467	96	416574	51.316	ug/l	98
22) Diisopropyl ether	6.361	45	1270438	58.363	ug/l	97
23) Vinyl Acetate	6.303	43	3138421	255.997	ug/l	99
24) 1,1-Dichloroethane	6.261	63	790586	52.045	ug/l	98
25) 2-Butanone	7.208	43	466661	253.693	ug/l	99
26) 2,2-Dichloropropane	7.208	77	558761	46.105	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	463937	52.980	ug/l	99
28) Bromochloromethane	7.544	49	312739	53.348	ug/l	97
29) Tetrahydrofuran	7.561	42	315498	276.832	ug/l	99
30) Chloroform	7.708	83	731883	48.436	ug/l	100
31) Cyclohexane	7.985	56	656043	49.565	ug/l	99
32) 1,1,1-Trichloroethane	7.903	97	632342	49.354	ug/l	100
36) 1,1-Dichloropropene	8.108	75	560377	48.551	ug/l	99
37) Ethyl Acetate	7.291	43	230933	52.893	ug/l	99
38) Carbon Tetrachloride	8.097	117	495070	46.841	ug/l	98
39) Methylcyclohexane	9.350	83	618780	45.080	ug/l	96
40) Benzene	8.350	78	1777604	53.396	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	133515	59.007	ug/l	95
42) 1,2-Dichloroethane	8.420	62	471065	52.132	ug/l	100
43) Isopropyl Acetate	8.450	43	417805	52.256	ug/l	99
44) Trichloroethene	9.108	130	413658	51.242	ug/l	94
45) 1,2-Dichloropropane	9.385	63	432553	49.435	ug/l	99
46) Dibromomethane	9.473	93	213596	50.016	ug/l	99
47) Bromodichloromethane	9.661	83	586670	51.835	ug/l	100
48) Methyl methacrylate	9.450	41	199858	48.196	ug/l	98
49) 1,4-Dioxane	9.461	88	45268	824.768	ug/l	96
51) 4-Methyl-2-Pentanone	10.226	43	1124228	271.526	ug/l	100
52) Toluene	10.397	92	1101993	55.034	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	488006	51.291	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	581537	49.774	ug/l	99
55) 1,1,2-Trichloroethane	10.797	97	293346	49.105	ug/l	98
56) Ethyl methacrylate	10.655	69	382221	50.077	ug/l	99
57) 1,3-Dichloropropane	10.938	76	533658	50.600	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	816807	240.508	ug/l	100
59) 2-Hexanone	10.979	43	699126	253.333	ug/l	100
60) Dibromochloromethane	11.138	129	364129	52.249	ug/l	99
61) 1,2-Dibromoethane	11.238	107	291782	52.644	ug/l	100
64) Tetrachloroethene	10.873	164	327382	49.226	ug/l	97
65) Chlorobenzene	11.667	112	1122019	51.572	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	395859	50.936	ug/l	99
67) Ethyl Benzene	11.738	91	2039123	52.927	ug/l	99
68) m/p-Xylenes	11.849	106	1565955	107.488	ug/l	99
69) o-Xylene	12.173	106	725795	54.711	ug/l	98
70) Styrene	12.185	104	1289970	55.721	ug/l	100
71) Bromoform	12.355	173	190152	50.465	ug/l #	97
73) Isopropylbenzene	12.473	105	1856291	51.638	ug/l	99
74) N-amyl acetate	12.279	43	409535	52.427	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.726	83	356902	49.844	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	238625m	48.654	ug/l	
77) Bromobenzene	12.749	156	408723	51.247	ug/l	99
78) n-propylbenzene	12.814	91	2405936	52.784	ug/l	100
79) 2-Chlorotoluene	12.902	91	1382246	51.583	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1613228	52.910	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	87611	48.006	ug/l	99
82) 4-Chlorotoluene	12.996	91	1438202	51.145	ug/l	99
83) tert-Butylbenzene	13.214	119	1287875	51.810	ug/l	100
84) 1,2,4-Trimethylbenzene	13.261	105	1616129	53.423	ug/l	100
85) sec-Butylbenzene	13.391	105	2019171	51.686	ug/l	100
86) p-Isopropyltoluene	13.508	119	1652470	51.934	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	852313	51.458	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	835488	50.510	ug/l	100
89) n-Butylbenzene	13.832	91	1615743	51.255	ug/l	100
90) Hexachloroethane	14.096	117	320488	49.497	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	729554	51.083	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	51721	48.496	ug/l	98
93) 1,2,4-Trichlorobenzene	15.149	180	411537	51.832	ug/l	98
94) Hexachlorobutadiene	15.255	225	228288	47.689	ug/l	99
95) Naphthalene	15.385	128	755333	47.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	361117	52.948	ug/l	98

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

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