

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
 Data File : VD070722.D
 Acq On : 15 Oct 2021 18:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:51:22 PM

Quant Time: Oct 18 08:33:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	451600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	744540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	716409	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	344909	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	247994	46.36	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.72%		
35) Dibromofluoromethane	7.914	113	224032	46.99	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.98%		
50) Toluene-d8	10.332	98	867225	47.45	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.90%		
62) 4-Bromofluorobenzene	12.626	95	301399	47.90	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.80%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	244619	46.33	ug/l	95
3) Chloromethane	2.209	50	371858	47.46	ug/l	98
4) Vinyl Chloride	2.350	62	375276	46.74	ug/l	97
5) Bromomethane	2.768	94	225423	46.05	ug/l	98
6) Chloroethane	2.920	64	242362	47.94	ug/l	96
7) Trichlorofluoromethane	3.268	101	419299	46.20	ug/l	95
8) Diethyl Ether	3.709	74	125527	51.91	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.097	101	251995	46.42	ug/l	97
10) Methyl Iodide	4.297	142	262349	46.81	ug/l	98
11) Tert butyl alcohol	5.220	59	74383	248.41	ug/l #	86
12) 1,1-Dichloroethene	4.067	96	236137	48.10	ug/l	88
13) Acrolein	3.920	56	62990	217.35	ug/l	100
14) Allyl chloride	4.715	41	468877	50.46	ug/l #	90
15) Acrylonitrile	5.414	53	328457	257.96	ug/l	98
16) Acetone	4.156	43	296556	229.87	ug/l	91
17) Carbon Disulfide	4.409	76	885046	49.48	ug/l	98
18) Methyl Acetate	4.715	43	223843	49.92	ug/l #	86
19) Methyl tert-butyl Ether	5.473	73	579695	54.62	ug/l	99
20) Methylene Chloride	4.962	84	343362	53.37	ug/l	88
21) trans-1,2-Dichloroethene	5.473	96	284748	50.56	ug/l	96
22) Diisopropyl ether	6.356	45	987534	54.59	ug/l #	92
23) Vinyl Acetate	6.303	43	2420558	252.34	ug/l #	92
24) 1,1-Dichloroethane	6.261	63	556164	49.35	ug/l	97
25) 2-Butanone	7.208	43	417419	261.90	ug/l #	85
26) 2,2-Dichloropropane	7.203	77	425855	47.77	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	304905	50.49	ug/l	90
28) Bromochloromethane	7.544	49	228262	50.94	ug/l	83
29) Tetrahydrofuran	7.556	42	269653	276.38	ug/l #	83
30) Chloroform	7.703	83	532548	48.37	ug/l	97
31) Cyclohexane	7.985	56	517391	47.81	ug/l	87
32) 1,1,1-Trichloroethane	7.903	97	450962	48.28	ug/l	97
36) 1,1-Dichloropropene	8.103	75	414675	50.00	ug/l	98
37) Ethyl Acetate	7.291	43	189327	55.10	ug/l #	91
38) Carbon Tetrachloride	8.091	117	387447	48.77	ug/l	94
39) Methylcyclohexane	9.355	83	479607	51.28	ug/l	90
40) Benzene	8.350	78	1199722	50.22	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	105368	48.68	ug/l #	83
42) 1,2-Dichloroethane	8.420	62	346451	51.10	ug/l	95
43) Isopropyl Acetate	8.450	43	352151	53.72	ug/l #	90
44) Trichloroethene	9.108	130	274271	48.89	ug/l	94
45) 1,2-Dichloropropane	9.385	63	324943	51.49	ug/l	98
46) Dibromomethane	9.467	93	152810	50.56	ug/l	96
47) Bromodichloromethane	9.655	83	403114	50.28	ug/l	99
48) Methyl methacrylate	9.455	41	180710	56.28	ug/l #	83
49) 1,4-Dioxane	9.450	88	35521	1094.55	ug/l	89
51) 4-Methyl-2-Pentanone	10.220	43	953811	276.07	ug/l	90
52) Toluene	10.397	92	739045	51.97	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	373094	52.10	ug/l	98
54) cis-1,3-Dichloropropene	10.085	75	438916	51.20	ug/l #	85
55) 1,1,2-Trichloroethane	10.791	97	211157	50.87	ug/l	97
56) Ethyl methacrylate	10.655	69	276983	49.13	ug/l #	81
57) 1,3-Dichloropropane	10.938	76	377719	51.29	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	595542	272.40	ug/l	94
59) 2-Hexanone	10.979	43	665180	273.53	ug/l	88
60) Dibromochloromethane	11.132	129	240416	50.40	ug/l	97
61) 1,2-Dibromoethane	11.238	107	193617	50.98	ug/l	99
64) Tetrachloroethene	10.867	164	232798	48.36	ug/l	94
65) Chlorobenzene	11.661	112	721652	49.12	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	267238	49.16	ug/l	99
67) Ethyl Benzene	11.738	91	1363185	50.74	ug/l	99
68) m/p-Xylenes	11.844	106	1049086	103.08	ug/l	96
69) o-Xylene	12.173	106	468052	50.70	ug/l	94
70) Styrene	12.185	104	854320	53.24	ug/l	97
71) Bromoform	12.349	173	144059	51.03	ug/l #	98
73) Isopropylbenzene	12.467	105	1250551	50.89	ug/l	99
74) N-amyl acetate	12.279	43	339526	53.07	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	245634	50.53	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	159693m	53.59	ug/l	
77) Bromobenzene	12.755	156	281835	50.66	ug/l	97
78) n-propylbenzene	12.808	91	1647483	51.57	ug/l	98
79) 2-Chlorotoluene	12.896	91	934392	50.61	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1089804	52.46	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	74013	54.40	ug/l	91
82) 4-Chlorotoluene	12.991	91	971780	49.76	ug/l	98
83) tert-Butylbenzene	13.214	119	885515	51.58	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1089080	52.72	ug/l	99
85) sec-Butylbenzene	13.391	105	1375124	50.97	ug/l	99
86) p-Isopropyltoluene	13.502	119	1129457	52.07	ug/l	98
87) 1,3-Dichlorobenzene	13.502	146	578012	49.47	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	564224	48.91	ug/l	98
89) n-Butylbenzene	13.832	91	1115790	50.97	ug/l	98
90) Hexachloroethane	14.096	117	220031	47.01	ug/l	88
91) 1,2-Dichlorobenzene	13.873	146	505528	50.63	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	38359	49.47	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	297310	52.05	ug/l	97
94) Hexachlorobutadiene	15.249	225	181809	48.54	ug/l	99
95) Naphthalene	15.385	128	521310	47.01	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	262457	51.71	ug/l	98

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

