

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101521\
 Data File : VD070713.D
 Acq On : 15 Oct 2021 12:10
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2021 5:51:07 PM

Quant Time: Oct 18 08:08:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:06:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	465083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	754902	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	715652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	346644	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	260868	47.36	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.72%		
35) Dibromofluoromethane	7.908	113	233604	48.33	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.66%		
50) Toluene-d8	10.332	98	920919	49.70	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.40%		
62) 4-Bromofluorobenzene	12.626	95	318416	49.91	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.82%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	268467	49.37	ug/l	96
3) Chloromethane	2.209	50	388193	48.11	ug/l	97
4) Vinyl Chloride	2.344	62	408098	49.36	ug/l	100
5) Bromomethane	2.762	94	231509	45.92	ug/l	94
6) Chloroethane	2.920	64	255565	49.08	ug/l	96
7) Trichlorofluoromethane	3.267	101	454015	48.57	ug/l	97
8) Diethyl Ether	3.709	74	124871	50.14	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.091	101	268369	48.00	ug/l	99
10) Methyl Iodide	4.297	142	289260	56.55	ug/l	98
11) Tert butyl alcohol	5.214	59	71581	232.13	ug/l	97
12) 1,1-Dichloroethene	4.067	96	246439	48.75	ug/l	85
13) Acrolein	3.920	56	66722	223.55	ug/l	99
14) Allyl chloride	4.714	41	489188	51.12	ug/l #	91
15) Acrylonitrile	5.414	53	334639	282.05	ug/l	100
16) Acetone	4.156	43	359859	270.85	ug/l	100
17) Carbon Disulfide	4.409	76	940162	51.04	ug/l	98
18) Methyl Acetate	4.714	43	228230	49.42	ug/l #	85
19) Methyl tert-butyl Ether	5.479	73	580736	53.13	ug/l	96
20) Methylene Chloride	4.956	84	335695	39.15	ug/l	89
21) trans-1,2-Dichloroethene	5.473	96	297319	51.27	ug/l	94
22) Diisopropyl ether	6.361	45	1003088	53.84	ug/l #	92
23) Vinyl Acetate	6.303	43	2415127	291.74	ug/l #	91
24) 1,1-Dichloroethane	6.261	63	576588	49.68	ug/l	98
25) 2-Butanone	7.208	43	428807	261.25	ug/l #	84
26) 2,2-Dichloropropane	7.203	77	450587	49.08	ug/l	96
27) cis-1,2-Dichloroethene	7.208	96	315722	50.77	ug/l	88
28) Bromochloromethane	7.544	49	220159	47.71	ug/l #	82
29) Tetrahydrofuran	7.561	42	263981	262.72	ug/l #	85
30) Chloroform	7.708	83	553180	48.78	ug/l	99
31) Cyclohexane	7.985	56	553153	49.63	ug/l	90
32) 1,1,1-Trichloroethane	7.902	97	467090	48.55	ug/l	96
36) 1,1-Dichloropropene	8.108	75	429787	51.11	ug/l	98
37) Ethyl Acetate	7.291	43	189333	54.34	ug/l #	92
38) Carbon Tetrachloride	8.091	117	410533	50.97	ug/l	100
39) Methylcyclohexane	9.349	83	517185	54.53	ug/l	91
40) Benzene	8.344	78	1245789	51.44	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	118925	62.08	ug/l #	78
42) 1,2-Dichloroethane	8.420	62	349199	50.80	ug/l	96
43) Isopropyl Acetate	8.450	43	351007	52.81	ug/l #	90
44) Trichloroethene	9.108	130	283226	49.80	ug/l	99
45) 1,2-Dichloropropane	9.385	63	329754	51.53	ug/l	96
46) Dibromomethane	9.467	93	157325	51.34	ug/l	96
47) Bromodichloromethane	9.655	83	407600	50.14	ug/l	98
48) Methyl methacrylate	9.449	41	174858	53.71	ug/l #	84
49) 1,4-Dioxane	9.455	88	34177	1038.68	ug/l #	84
51) 4-Methyl-2-Pentanone	10.220	43	949025	270.91	ug/l	89
52) Toluene	10.396	92	766543	53.16	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	377317	51.96	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	443559	51.03	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	213360	50.70	ug/l	97
56) Ethyl methacrylate	10.655	69	272828	54.31	ug/l #	80
57) 1,3-Dichloropropane	10.938	76	384483	51.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	574469	259.16	ug/l	94
59) 2-Hexanone	10.979	43	681523	276.40	ug/l	87
60) Dibromochloromethane	11.132	129	244127	50.47	ug/l	99
61) 1,2-Dibromoethane	11.238	107	197376	51.26	ug/l	100
64) Tetrachloroethene	10.867	164	238828	49.66	ug/l	94
65) Chlorobenzene	11.661	112	740056	50.42	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	269859	49.69	ug/l	99
67) Ethyl Benzene	11.738	91	1429049	53.25	ug/l	97
68) m/p-Xylenes	11.843	106	1089787	107.19	ug/l	95
69) o-Xylene	12.173	106	489867	53.12	ug/l	95
70) Styrene	12.185	104	875582	54.62	ug/l	97
71) Bromoform	12.349	173	141664	50.24	ug/l #	99
73) Isopropylbenzene	12.473	105	1326417	53.70	ug/l	99
74) N-amyl acetate	12.279	43	334588	52.03	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.720	83	249005	50.96	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	123829m	46.89	ug/l	
77) Bromobenzene	12.749	156	290817	52.01	ug/l	98
78) n-propylbenzene	12.808	91	1740759	54.22	ug/l	98
79) 2-Chlorotoluene	12.896	91	972581	52.42	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1130917	54.16	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.520	75	72544	53.06	ug/l #	86
82) 4-Chlorotoluene	12.996	91	1016087	51.77	ug/l	98
83) tert-Butylbenzene	13.214	119	913194	52.92	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1128672	54.37	ug/l	100
85) sec-Butylbenzene	13.390	105	1447109	53.37	ug/l	99
86) p-Isopropyltoluene	13.502	119	1182466	54.24	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	592500	50.46	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	575523	49.63	ug/l	99
89) n-Butylbenzene	13.832	91	1188262	54.01	ug/l	99
90) Hexachloroethane	14.096	117	231775	49.27	ug/l	90
91) 1,2-Dichlorobenzene	13.879	146	513138	51.13	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	36531	46.88	ug/l	95
93) 1,2,4-Trichlorobenzene	15.149	180	299587	52.19	ug/l	99
94) Hexachlorobutadiene	15.249	225	191098	50.76	ug/l	100
95) Naphthalene	15.384	128	519531	53.30	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	269600	52.86	ug/l	98

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

