

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070814.D
 Acq On : 22 Oct 2021 09:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/25/2021 11:57:17 AM

Quant Time: Oct 23 04:08:24 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	7.973	168	418679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	672572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	645786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	318890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	246767	49.762	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.520%		
35) Dibromofluoromethane	7.909	113	222177	51.591	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.180%		
50) Toluene-d8	10.332	98	882264	53.443	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	106.880%		
62) 4-Bromofluorobenzene	12.620	95	307708	54.133	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	108.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	225540	46.076	ug/l	100
3) Chloromethane	2.209	50	322098	44.346	ug/l	98
4) Vinyl Chloride	2.344	62	337377	45.327	ug/l	98
5) Bromomethane	2.756	94	200692	44.220	ug/l	95
6) Chloroethane	2.915	64	216238	46.133	ug/l	93
7) Trichlorofluoromethane	3.268	101	392530	46.650	ug/l	96
8) Diethyl Ether	3.709	74	99496	44.381	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.091	101	239772	47.639	ug/l	99
10) Methyl Iodide	4.291	142	215766	41.901	ug/l	96
11) Tert butyl alcohol	5.220	59	56023	201.808	ug/l	99
12) 1,1-Dichloroethene	4.062	96	209050	45.934	ug/l	93
13) Acrolein	3.921	56	71660	266.704	ug/l	97
14) Allyl chloride	4.709	41	392134	45.521	ug/l #	90
15) Acrylonitrile	5.415	53	271689	230.153	ug/l	99
16) Acetone	4.150	43	321703	268.967	ug/l	91
17) Carbon Disulfide	4.403	76	792589	47.795	ug/l	99
18) Methyl Acetate	4.709	43	183534	44.145	ug/l #	88
19) Methyl tert-butyl Ether	5.468	73	469931	47.762	ug/l	97
20) Methylene Chloride	4.956	84	288159	47.600	ug/l #	88
21) trans-1,2-Dichloroethene	5.468	96	249896	47.865	ug/l	93
22) Diisopropyl ether	6.356	45	848961	50.618	ug/l #	93
23) Vinyl Acetate	6.297	43	1964649	222.946	ug/l #	92
24) 1,1-Dichloroethane	6.256	63	489824	46.879	ug/l	98
25) 2-Butanone	7.209	43	353386	239.161	ug/l #	87
26) 2,2-Dichloropropane	7.203	77	410664	49.693	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	257439	45.984	ug/l	86
28) Bromochloromethane	7.538	49	199223	47.960	ug/l	84
29) Tetrahydrofuran	7.556	42	219020	242.131	ug/l #	82
30) Chloroform	7.703	83	487099	47.716	ug/l	99
31) Cyclohexane	7.979	56	467519	46.599	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	418445	48.319	ug/l	96
36) 1,1-Dichloropropene	8.103	75	374613	49.998	ug/l	97
37) Ethyl Acetate	7.285	43	154544	49.787	ug/l #	93
38) Carbon Tetrachloride	8.091	117	366168	51.024	ug/l	95
39) Methylcyclohexane	9.350	83	427794	50.630	ug/l #	84
40) Benzene	8.344	78	1068782	49.530	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	78238	40.358	ug/l #	88
42) 1,2-Dichloroethane	8.414	62	301746	49.271	ug/l	97
43) Isopropyl Acetate	8.444	43	280492	47.370	ug/l #	92
44) Trichloroethene	9.108	130	247585	48.860	ug/l	98
45) 1,2-Dichloropropane	9.379	63	292112	51.236	ug/l	98
46) Dibromomethane	9.467	93	134807	49.376	ug/l	97
47) Bromodichloromethane	9.656	83	357157	49.313	ug/l	97
48) Methyl methacrylate	9.450	41	144847	49.936	ug/l #	84
49) 1,4-Dioxane	9.456	88	29286	998.986	ug/l #	86
51) 4-Methyl-2-Pentanone	10.220	43	788847	252.753	ug/l	90
52) Toluene	10.397	92	660942	51.447	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	314957	48.684	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	371165	47.927	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	183400	48.911	ug/l	92
56) Ethyl methacrylate	10.655	69	222410	44.130	ug/l #	81
57) 1,3-Dichloropropane	10.938	76	328326	49.351	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	516753	261.656	ug/l	94
59) 2-Hexanone	10.973	43	587230	267.313	ug/l	88
60) Dibromochloromethane	11.132	129	211698	49.124	ug/l	98
61) 1,2-Dibromoethane	11.238	107	163623	47.693	ug/l	100
64) Tetrachloroethene	10.867	164	206649	47.621	ug/l	96
65) Chlorobenzene	11.661	112	637158	48.109	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	237820	48.530	ug/l	99
67) Ethyl Benzene	11.738	91	1233871	50.953	ug/l	98
68) m/p-Xylenes	11.844	106	956880	104.303	ug/l	96
69) o-Xylene	12.173	106	415305	49.903	ug/l	93
70) Styrene	12.185	104	760154	52.548	ug/l	97
71) Bromoform	12.350	173	121104	47.593	ug/l #	99
73) Isopropylbenzene	12.467	105	1135637	49.980	ug/l	99
74) N-amyl acetate	12.279	43	282499	47.757	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	209213	46.546	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	160172m	58.137	ug/l	
77) Bromobenzene	12.749	156	250375	48.673	ug/l	97
78) n-propylbenzene	12.808	91	1509931	51.125	ug/l	98
79) 2-Chlorotoluene	12.897	91	841628	49.309	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1012099	52.692	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.514	75	59503	47.305	ug/l	88
82) 4-Chlorotoluene	12.991	91	917049	50.793	ug/l	97
83) tert-Butylbenzene	13.214	119	801997	50.523	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	980848	51.358	ug/l	100
85) sec-Butylbenzene	13.391	105	1274952	51.109	ug/l	99
86) p-Isopropyltoluene	13.502	119	1031403	51.426	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	517663	47.923	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	502159	47.077	ug/l	99
89) n-Butylbenzene	13.832	91	1035925	51.181	ug/l	98
90) Hexachloroethane	14.096	117	203786	47.087	ug/l	90
91) 1,2-Dichlorobenzene	13.873	146	437173	47.354	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.491	75	33285	46.430	ug/l	89
93) 1,2,4-Trichlorobenzene	15.143	180	253852	48.069	ug/l	99
94) Hexachlorobutadiene	15.249	225	165776	47.871	ug/l	98
95) Naphthalene	15.385	128	426466	42.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.573	180	220972	47.093	ug/l	97

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

