

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070138.D
 Acq On : 18 Aug 2021 20:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 6:16:33 PM

Quant Time: Aug 19 07:34:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	464767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	871284	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	847471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	405740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	296708	54.279	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.560%			
35) Dibromofluoromethane	7.909	113	299139	53.142	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.280%			
50) Toluene-d8	10.332	98	1140727	52.102	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.620	95	380744	52.798	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	174851	37.641	ug/l	98
3) Chloromethane	2.209	50	287270	44.055	ug/l	99
4) Vinyl Chloride	2.344	62	305836	38.882	ug/l	96
5) Bromomethane	2.756	94	212005	49.046	ug/l	92
6) Chloroethane	2.915	64	216561	43.097	ug/l	98
7) Trichlorofluoromethane	3.268	101	373922	39.580	ug/l	97
8) Diethyl Ether	3.709	74	134851	49.878	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.091	101	245980	40.927	ug/l	99
10) Methyl Iodide	4.297	142	256610	46.696	ug/l	99
11) Tert butyl alcohol	5.220	59	71753	237.481	ug/l	99
12) 1,1-Dichloroethene	4.068	96	238104	43.122	ug/l	93
13) Acrolein	3.926	56	84850	243.802	ug/l	96
14) Allyl chloride	4.715	41	375660	45.596	ug/l	97
15) Acrylonitrile	5.420	53	314233	250.655	ug/l	99
16) Acetone	4.162	43	217113	215.604	ug/l	98
17) Carbon Disulfide	4.403	76	832407	41.697	ug/l	97
18) Methyl Acetate	4.720	43	163527	54.467	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	574154	50.102	ug/l	97
20) Methylene Chloride	4.962	84	353197	51.749	ug/l	100
21) trans-1,2-Dichloroethene	5.467	96	292404	45.590	ug/l	94
22) Diisopropyl ether	6.362	45	894381	51.615	ug/l	97
23) Vinyl Acetate	6.303	43	2013080	256.349	ug/l	100
24) 1,1-Dichloroethane	6.262	63	562236	47.424	ug/l	99
25) 2-Butanone	7.209	43	346293	251.667	ug/l	95
26) 2,2-Dichloropropane	7.203	77	394898	42.781	ug/l	100
27) cis-1,2-Dichloroethene	7.209	96	337268	49.516	ug/l	97
28) Bromochloromethane	7.544	49	238851	55.364	ug/l	99
29) Tetrahydrofuran	7.561	42	234708	260.493	ug/l	97
30) Chloroform	7.703	83	573343	49.175	ug/l	95
31) Cyclohexane	7.979	56	434107	40.122	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	443961	45.567	ug/l	98
36) 1,1-Dichloropropene	8.108	75	406622	43.381	ug/l	99
37) Ethyl Acetate	7.291	43	167772	49.278	ug/l	99
38) Carbon Tetrachloride	8.097	117	372441	43.768	ug/l	97
39) Methylcyclohexane	9.350	83	417859	38.289	ug/l	99
40) Benzene	8.350	78	1265132	46.535	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	88007	47.812	ug/l	98
42) 1,2-Dichloroethane	8.420	62	333150	47.814	ug/l	98
43) Isopropyl Acetate	8.450	43	306482	48.219	ug/l	99
44) Trichloroethene	9.108	130	294602	44.857	ug/l	100
45) 1,2-Dichloropropane	9.379	63	333657	47.248	ug/l	99
46) Dibromomethane	9.467	93	166369	48.504	ug/l	97
47) Bromodichloromethane	9.655	83	432502	48.738	ug/l	98
48) Methyl methacrylate	9.455	41	137161	45.252	ug/l #	88
49) 1,4-Dioxane	9.455	88	35953	963.182	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	840045	254.178	ug/l	100
52) Toluene	10.397	92	793073	47.926	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	378553	48.160	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	448155	46.974	ug/l	100
55) 1,1,2-Trichloroethane	10.791	97	236667	48.699	ug/l	97
56) Ethyl methacrylate	10.655	69	284912	51.518	ug/l	97
57) 1,3-Dichloropropane	10.938	76	415747	49.416	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	830816	284.830	ug/l	99
59) 2-Hexanone	10.979	43	558264	252.227	ug/l	99
60) Dibromochloromethane	11.132	129	276497	49.666	ug/l	99
61) 1,2-Dibromoethane	11.238	107	218359	49.631	ug/l	99
64) Tetrachloroethene	10.867	164	234516	42.895	ug/l	93
65) Chlorobenzene	11.661	112	811321	45.820	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	291595	46.372	ug/l	99
67) Ethyl Benzene	11.738	91	1456145	46.512	ug/l	99
68) m/p-Xylenes	11.844	106	1137821	93.783	ug/l	97
69) o-Xylene	12.173	106	525643	48.017	ug/l	98
70) Styrene	12.185	104	942728	49.169	ug/l	99
71) Bromoform	12.349	173	147393	48.110	ug/l #	98
73) Isopropylbenzene	12.473	105	1319696	44.603	ug/l	98
74) N-amyl acetate	12.279	43	286109	44.849	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	276323	46.806	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	178490m	43.378	ug/l	
77) Bromobenzene	12.749	156	305430	46.509	ug/l	98
78) n-propylbenzene	12.814	91	1719516	45.064	ug/l	99
79) 2-Chlorotoluene	12.896	91	996351	45.385	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1150544	45.676	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	72584	45.787	ug/l	96
82) 4-Chlorotoluene	12.996	91	1031255	44.862	ug/l	100
83) tert-Butylbenzene	13.214	119	916077	44.744	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1154584	46.208	ug/l	100
85) sec-Butylbenzene	13.391	105	1434657	43.736	ug/l	99
86) p-Isopropyltoluene	13.508	119	1179618	44.512	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	620720	44.486	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	613055	44.359	ug/l	99
89) n-Butylbenzene	13.832	91	1103960	42.451	ug/l	99
90) Hexachloroethane	14.096	117	245500	43.899	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	546123	45.677	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	37673	42.722	ug/l	89
93) 1,2,4-Trichlorobenzene	15.149	180	297125	44.689	ug/l	97
94) Hexachlorobutadiene	15.255	225	162766	41.442	ug/l	98
95) Naphthalene	15.385	128	577885	47.755	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	270508	46.607	ug/l	98

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

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