

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070622\
 Data File : VD073790.D
 Acq On : 06 Jul 2022 12:49
 Operator : VA/SY
 Sample : VSTDICC010
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC010

Quant Time: Jul 07 04:55:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 07 04:53:08 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/07/2022
 Supervised By : Mahesh Dadoda 07/07/2022

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

Internal Standards						
1) Pentafluorobenzene	7.967	168	118997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	230023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	208248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	91556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	17212	14.353	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	28.700%#		
35) Dibromofluoromethane	7.909	113	16184	12.791	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	25.580%#		
50) Toluene-d8	10.332	98	53220	11.572	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery =	23.140%#		
62) 4-Bromofluorobenzene	12.620	95	21127	11.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery =	23.140%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	8888	12.074	ug/l	99
3) Chloromethane	2.209	50	12095	14.110	ug/l #	87
4) Vinyl Chloride	2.344	62	14256	14.659	ug/l	91
5) Bromomethane	2.756	94	12127	17.484	ug/l	85
6) Chloroethane	2.921	64	10854	15.133	ug/l #	86
7) Trichlorofluoromethane	3.262	101	20461	11.802	ug/l	89
8) Diethyl Ether	3.703	74	6765	11.685	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.091	101	13132	11.558	ug/l #	84
10) Methyl Iodide	4.291	142	8896	11.131	ug/l	95
11) Tert butyl alcohol	5.173	59	29880	100.186	ug/l #	91
12) 1,1-Dichloroethene	4.056	96	10225	10.520	ug/l	92
13) Acrolein	3.915	56	3652	82.742	ug/l	95
14) Allyl chloride	4.709	41	19951	11.771	ug/l	96
15) Acrylonitrile	5.415	53	17582	55.077	ug/l	97
16) Acetone	4.156	43	16242	65.392	ug/l	93
17) Carbon Disulfide	4.403	76	18950	12.395	ug/l #	94
18) Methyl Acetate	4.721	43	10306	10.718	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	36421	11.315	ug/l	94
20) Methylene Chloride	4.962	84	20747	13.058	ug/l	95
21) trans-1,2-Dichloroethene	5.462	96	11722	10.635	ug/l	85
22) Diisopropyl ether	6.362	45	49641	11.533	ug/l	98
23) Vinyl Acetate	6.297	43	134643	61.191	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	27836	11.574	ug/l	96
25) 2-Butanone	7.209	43	25183	60.842	ug/l	97
26) 2,2-Dichloropropane	7.203	77	27207	12.384	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	17028	11.338	ug/l	98
28) Bromochloromethane	7.538	49	10394	11.298	ug/l #	96
29) Tetrahydrofuran	7.562	42	14432	55.865	ug/l	99
30) Chloroform	7.703	83	31014	12.069	ug/l	94
31) Cyclohexane	7.973	56	22090	11.935	ug/l #	85
32) 1,1,1-Trichloroethane	7.897	97	25703	11.486	ug/l	96
36) 1,1-Dichloropropene	8.109	75	18565	10.662	ug/l	96
37) Ethyl Acetate	7.285	43	11022m	11.738	ug/l	
38) Carbon Tetrachloride	8.091	117	21145	11.175	ug/l #	96
39) Methylcyclohexane	9.350	83	20672	10.583	ug/l	96
40) Benzene	8.338	78	55582	10.738	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	7361	12.480	ug/l #	78
42) 1,2-Dichloroethane	8.414	62	19430	12.139	ug/l	91
43) Isopropyl Acetate	8.450	43	22393	11.190	ug/l	99
44) Trichloroethene	9.103	130	15368	11.280	ug/l	93
45) 1,2-Dichloropropane	9.379	63	15107	10.174	ug/l	97
46) Dibromomethane	9.467	93	8897	11.324	ug/l	95
47) Bromodichloromethane	9.656	83	24349	11.441	ug/l #	98
48) Methyl methacrylate	9.444	41	9998	11.173	ug/l	98
49) 1,4-Dioxane	9.456	88	2466	233.010	ug/l #	94
51) 4-Methyl-2-Pentanone	10.220	43	57130	55.707	ug/l	97
52) Toluene	10.391	92	34750	10.062	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	22863	11.005	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	24853	10.635	ug/l	94
55) 1,1,2-Trichloroethane	10.791	97	12507	10.707	ug/l	92
56) Ethyl methacrylate	10.650	69	15119	9.800	ug/l	95
57) 1,3-Dichloropropane	10.938	76	21888	11.109	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.932	63	31208	50.573	ug/l	98
59) 2-Hexanone	10.979	43	37498	53.852	ug/l	99
60) Dibromochloromethane	11.132	129	15520	10.889	ug/l	95
61) 1,2-Dibromoethane	11.238	107	10650	9.920	ug/l	88
64) Tetrachloroethene	10.867	164	11055	10.404	ug/l	88
65) Chlorobenzene	11.661	112	41695	10.780	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	16250	11.104	ug/l	97
67) Ethyl Benzene	11.732	91	74476	10.527	ug/l	98
68) m/p-Xylenes	11.838	106	55617	20.630	ug/l	98
69) o-Xylene	12.173	106	26977	10.247	ug/l	94
70) Styrene	12.185	104	45577	10.050	ug/l	99
71) Bromoform	12.350	173	7843	10.160	ug/l #	97
73) Isopropylbenzene	12.467	105	71573	10.280	ug/l	100
74) N-amyl acetate	12.279	43	21035	11.005	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	14538	10.349	ug/l	95
76) 1,2,3-Trichloropropane	12.767	75	10844m	12.462	ug/l	
77) Bromobenzene	12.749	156	15104	10.599	ug/l	98
78) n-propylbenzene	12.808	91	92225	10.601	ug/l	98
79) 2-Chlorotoluene	12.897	91	52004	10.653	ug/l	99
80) 1,3,5-Trimethylbenzene	12.950	105	60125	10.360	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	4529	9.996	ug/l	98
82) 4-Chlorotoluene	12.991	91	55138	10.847	ug/l	96
83) tert-Butylbenzene	13.208	119	51719	10.036	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	59019	10.308	ug/l	98
85) sec-Butylbenzene	13.391	105	78561	9.932	ug/l	98
86) p-Isopropyltoluene	13.502	119	64550	10.183	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	32203	10.789	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	32030	10.767	ug/l	98
89) n-Butylbenzene	13.826	91	67187	10.504	ug/l	96
90) Hexachloroethane	14.097	117	13502	10.653	ug/l	98
91) 1,2-Dichlorobenzene	13.873	146	28556	10.758	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	2978	12.674	ug/l	89
93) 1,2,4-Trichlorobenzene	15.144	180	16048	10.274	ug/l	98
94) Hexachlorobutadiene	15.249	225	7275	9.432	ug/l	99
95) Naphthalene	15.379	128	35276	10.111	ug/l	98
96) 1,2,3-Trichlorobenzene	15.573	180	13920	10.185	ug/l	96

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

