

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092122\
 Data File : VN074602.D
 Acq On : 21 Sep 2022 09:51
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/22/2022
 Supervised By : Mahesh Dadoda 09/22/2022

Quant Time: Sep 22 06:55:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	345111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	612749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	581994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	278301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	303256	51.789	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.580%			
35) Dibromofluoromethane	7.945	113	229110	56.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.580%			
50) Toluene-d8	10.380	98	823500	52.313	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.620%			
62) 4-Bromofluorobenzene	12.669	95	297010	55.089	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.180%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	143366	38.170	ug/l	97
3) Chloromethane	2.263	50	297455	47.099	ug/l	98
4) Vinyl Chloride	2.405	62	371733	54.984	ug/l	98
5) Bromomethane	2.775	94	299767	84.077	ug/l	98
6) Chloroethane	2.957	64	309257	66.967	ug/l	94
7) Trichlorofluoromethane	3.310	101	333951	44.730	ug/l	93
8) Diethyl Ether	3.757	74	173694	45.621	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.140	101	213578	46.240	ug/l	90
10) Methyl Iodide	4.351	142	243831	44.749	ug/l	92
11) Tert butyl alcohol	5.281	59	361822	189.684	ug/l	99
12) 1,1-Dichloroethene	4.110	96	189702	41.811	ug/l	82
13) Acrolein	3.975	56	119104	170.980	ug/l	96
14) Allyl chloride	4.751	41	489506	45.102	ug/l #	92
15) Acrylonitrile	5.463	53	1034806	241.472	ug/l	99
16) Acetone	4.210	43	848510	226.449	ug/l	93
17) Carbon Disulfide	4.446	76	476860	38.260	ug/l	98
18) Methyl Acetate	4.769	43	566006	48.634	ug/l #	87
19) Methyl tert-butyl Ether	5.528	73	900153	46.990	ug/l	99
20) Methylene Chloride	5.004	84	262966	45.971	ug/l #	80
21) trans-1,2-Dichloroethene	5.504	96	221042	44.325	ug/l	92
22) Diisopropyl ether	6.410	45	1095465	50.265	ug/l #	94
23) Vinyl Acetate	6.345	43	5031966	261.780	ug/l #	91
24) 1,1-Dichloroethane	6.298	63	516399	47.403	ug/l	97
25) 2-Butanone	7.251	43	1533191	246.446	ug/l #	83
26) 2,2-Dichloropropane	7.240	77	400314	42.623	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	287764	45.032	ug/l	93
28) Bromochloromethane	7.581	49	164258	51.202	ug/l #	68
29) Tetrahydrofuran	7.604	42	1025537	250.720	ug/l #	83
30) Chloroform	7.745	83	497680	49.497	ug/l	95
31) Cyclohexane	8.022	56	433597	41.717	ug/l	86
32) 1,1,1-Trichloroethane	7.939	97	390499	44.281	ug/l	91
36) 1,1-Dichloropropene	8.145	75	347205	48.191	ug/l	96
37) Ethyl Acetate	7.334	43	608798	54.716	ug/l #	92
38) Carbon Tetrachloride	8.134	117	310910	46.740	ug/l	95
39) Methylcyclohexane	9.392	83	417116	48.688	ug/l	93
40) Benzene	8.386	78	1118353	50.198	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	273261	50.799	ug/l	89
42) 1,2-Dichloroethane	8.457	62	409395	53.548	ug/l	97
43) Isopropyl Acetate	8.492	43	950694	54.548	ug/l #	90
44) Trichloroethene	9.145	130	226869	47.060	ug/l	99
45) 1,2-Dichloropropane	9.422	63	320250	52.304	ug/l	95
46) Dibromomethane	9.516	93	200264	52.224	ug/l #	84
47) Bromodichloromethane	9.698	83	391541	52.079	ug/l	98
48) Methyl methacrylate	9.492	41	407563	52.739	ug/l	86
49) 1,4-Dioxane	9.498	88	144798	974.580	ug/l #	91
51) 4-Methyl-2-Pentanone	10.269	43	3262333	286.644	ug/l	87
52) Toluene	10.439	92	678909	51.967	ug/l	96
53) t-1,3-Dichloropropene	10.657	75	458373	52.312	ug/l	96
54) cis-1,3-Dichloropropene	10.128	75	468838	49.999	ug/l #	85
55) 1,1,2-Trichloroethane	10.839	97	298600	53.959	ug/l	94
56) Ethyl methacrylate	10.698	69	528803	53.496	ug/l #	76
57) 1,3-Dichloropropane	10.986	76	515743	53.156	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.981	63	1118964	257.215	ug/l #	88
59) 2-Hexanone	11.028	43	2473417	284.686	ug/l	86
60) Dibromochloromethane	11.175	129	285733	53.937	ug/l	99
61) 1,2-Dibromoethane	11.286	107	289183	53.792	ug/l	100
64) Tetrachloroethene	10.916	164	182492	45.691	ug/l	90
65) Chlorobenzene	11.710	112	718840	49.199	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.780	131	268362	50.554	ug/l	97
67) Ethyl Benzene	11.780	91	1347062	50.217	ug/l	97
68) m/p-Xylenes	11.892	106	996656	100.490	ug/l	95
69) o-Xylene	12.222	106	507277	50.164	ug/l	97
70) Styrene	12.233	104	852997	50.709	ug/l	98
71) Bromoform	12.398	173	204127	52.319	ug/l #	100
73) Isopropylbenzene	12.522	105	1300058	45.623	ug/l	98
74) N-amyl acetate	12.327	43	863231	48.450	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.769	83	517840	45.347	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	430523m	50.258	ug/l	
77) Bromobenzene	12.804	156	275070	45.188	ug/l	74
78) n-propylbenzene	12.863	91	1604592	47.279	ug/l	95
79) 2-Chlorotoluene	12.945	91	900987	44.470	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	1075411	46.296	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	176837	44.555	ug/l	94
82) 4-Chlorotoluene	13.045	91	871958	45.279	ug/l	97
83) tert-Butylbenzene	13.263	119	912970	43.185	ug/l	95
84) 1,2,4-Trimethylbenzene	13.310	105	1092324	46.727	ug/l	100
85) sec-Butylbenzene	13.439	105	1381587	47.595	ug/l	96
86) p-Isopropyltoluene	13.557	119	1121122	49.541	ug/l	97
87) 1,3-Dichlorobenzene	13.557	146	524495	46.889	ug/l	98
88) 1,4-Dichlorobenzene	13.639	146	526437	46.827	ug/l	99
89) n-Butylbenzene	13.886	91	1014120	49.718	ug/l	94
90) Hexachloroethane	14.151	117	215994	43.866	ug/l	74
91) 1,2-Dichlorobenzene	13.927	146	534348	46.046	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.545	75	102295	40.568	ug/l	85
93) 1,2,4-Trichlorobenzene	15.198	180	274440	49.640	ug/l	98
94) Hexachlorobutadiene	15.304	225	107855	44.388	ug/l	94
95) Naphthalene	15.433	128	1093739	46.044	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	267264	46.740	ug/l	99

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

