

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074314.D
 Acq On : 03 Sep 2022 03:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/03/2022
 Supervised By : Mahesh Dadoda 09/06/2022

Quant Time: Sep 03 07:09:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.022	168	296107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	555244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	524748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	245842	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	245884	53.270	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.540%			
35) Dibromofluoromethane	7.951	113	191803	52.130	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.260%			
50) Toluene-d8	10.380	98	778398	53.652	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.300%			
62) 4-Bromofluorobenzene	12.669	95	263856	49.718	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	132538	47.264	ug/l	98
3) Chloromethane	2.269	50	169505	41.900	ug/l	97
4) Vinyl Chloride	2.410	62	341508	45.365	ug/l	96
5) Bromomethane	2.793	94	152309	30.096	ug/l	99
6) Chloroethane	2.963	64	304583	51.375	ug/l	98
7) Trichlorofluoromethane	3.316	101	250317	47.046	ug/l	98
8) Diethyl Ether	3.769	74	102636	47.376	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.146	101	149638	46.378	ug/l	93
10) Methyl Iodide	4.351	142	74013	34.289	ug/l	91
11) Tert butyl alcohol	5.281	59	192662	230.069	ug/l	98
12) 1,1-Dichloroethene	4.116	96	143012	49.066	ug/l	99
13) Acrolein	3.981	56	130531	231.594	ug/l	100
14) Allyl chloride	4.763	41	218388	46.592	ug/l	90
15) Acrylonitrile	5.475	53	548505	238.164	ug/l	99
16) Acetone	4.216	43	448261	232.371	ug/l	100
17) Carbon Disulfide	4.463	76	347241	47.704	ug/l	98
18) Methyl Acetate	4.769	43	252788	43.540	ug/l	98
19) Methyl tert-butyl Ether	5.534	73	592403	51.277	ug/l	94
20) Methylene Chloride	5.016	84	178721	50.358	ug/l	91
21) trans-1,2-Dichloroethene	5.516	96	163176	48.842	ug/l	91
22) Diisopropyl ether	6.410	45	584635	53.128	ug/l	91
23) Vinyl Acetate	6.351	43	2520622	263.536	ug/l	97
24) 1,1-Dichloroethane	6.304	63	326250	49.221	ug/l	100
25) 2-Butanone	7.257	43	799301	245.370	ug/l	99
26) 2,2-Dichloropropane	7.245	77	190211	35.321	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	213641	50.272	ug/l	95
28) Bromochloromethane	7.581	49	107865	46.965	ug/l	90
29) Tetrahydrofuran	7.604	42	529632	254.816	ug/l	98
30) Chloroform	7.745	83	374279	51.046	ug/l	99
31) Cyclohexane	8.022	56	292340	47.421	ug/l	96
32) 1,1,1-Trichloroethane	7.939	97	317363	52.184	ug/l	99
36) 1,1-Dichloropropene	8.151	75	257218	49.257	ug/l	99
37) Ethyl Acetate	7.339	43	321628	47.091	ug/l	96
38) Carbon Tetrachloride	8.134	117	260927	49.461	ug/l	97
39) Methylcyclohexane	9.392	83	313327	49.800	ug/l	94
40) Benzene	8.392	78	823841	50.009	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	136042	44.288	ug/l #	92
42) 1,2-Dichloroethane	8.463	62	296238	48.342	ug/l	100
43) Isopropyl Acetate	8.492	43	493345	49.707	ug/l	99
44) Trichloroethene	9.151	130	192354	49.064	ug/l	95
45) 1,2-Dichloropropane	9.428	63	208163	50.799	ug/l	95
46) Dibromomethane	9.516	93	159048	50.902	ug/l #	83
47) Bromodichloromethane	9.698	83	296472	51.745	ug/l	97
48) Methyl methacrylate	9.498	41	209072	47.934	ug/l #	81
49) 1,4-Dioxane	9.504	88	107840	960.672	ug/l #	88
51) 4-Methyl-2-Pentanone	10.269	43	1793584	258.331	ug/l	97
52) Toluene	10.445	92	547661	53.797	ug/l	97
53) t-1,3-Dichloropropene	10.657	75	299096	51.273	ug/l	97
54) cis-1,3-Dichloropropene	10.128	75	319854	49.977	ug/l	93
55) 1,1,2-Trichloroethane	10.839	97	222838	51.018	ug/l	98
56) Ethyl methacrylate	10.698	69	357040	54.907	ug/l #	94
57) 1,3-Dichloropropane	10.986	76	376018	50.339	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	792031	248.975	ug/l	96
59) 2-Hexanone	11.027	43	1386807	263.918	ug/l	97
60) Dibromochloromethane	11.180	129	228305	52.670	ug/l	99
61) 1,2-Dibromoethane	11.286	107	228430	52.201	ug/l	98
64) Tetrachloroethene	10.916	164	161119	48.843	ug/l	96
65) Chlorobenzene	11.710	112	570946	49.568	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	209902	49.246	ug/l	99
67) Ethyl Benzene	11.786	91	1094260	51.747	ug/l	100
68) m/p-Xylenes	11.892	106	830326	105.188	ug/l	96
69) o-Xylene	12.222	106	409482	51.974	ug/l	96
70) Styrene	12.233	104	685876	54.366	ug/l	99
71) Bromoform	12.398	173	161057	52.177	ug/l #	98
73) Isopropylbenzene	12.516	105	1079695	50.154	ug/l	98
74) N-amyl acetate	12.327	43	459912	50.092	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.769	83	382225	47.853	ug/l	100
76) 1,2,3-Trichloropropane	12.821	75	302946m	43.510	ug/l	
77) Bromobenzene	12.798	156	232936	48.745	ug/l	89
78) n-propylbenzene	12.857	91	1267682	51.517	ug/l	96
79) 2-Chlorotoluene	12.945	91	726172	48.066	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	899351	52.104	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	90993	42.424	ug/l	92
82) 4-Chlorotoluene	13.039	91	714606	50.384	ug/l	99
83) tert-Butylbenzene	13.263	119	784138	50.054	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	927770	53.062	ug/l	98
85) sec-Butylbenzene	13.439	105	1126848	51.522	ug/l	96
86) p-Isopropyltoluene	13.557	119	917606	53.856	ug/l	97
87) 1,3-Dichlorobenzene	13.551	146	436894	49.943	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	427043	48.978	ug/l	97
89) n-Butylbenzene	13.880	91	769671	51.779	ug/l	95
90) Hexachloroethane	14.145	117	151262	45.638	ug/l	77
91) 1,2-Dichlorobenzene	13.927	146	437779	47.742	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	78588	45.323	ug/l	86
93) 1,2,4-Trichlorobenzene	15.192	180	215995	47.620	ug/l	98
94) Hexachlorobutadiene	15.298	225	89450	47.037	ug/l	99
95) Naphthalene	15.433	128	895562	50.328	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	226303	48.944	ug/l	99

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

