

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074286.D
 Acq On : 02 Sep 2022 14:12
 Operator : JC\MD
 Sample : VSTDIC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

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

Quant Time: Sep 02 14:32:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 14:25:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	306570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	565627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	540412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	260148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	376305	79.128	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 158.260%#			
35) Dibromofluoromethane	7.951	113	293810	79.826	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 159.660%#			
50) Toluene-d8	10.381	98	1203350	83.019	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 166.040%#			
62) 4-Bromofluorobenzene	12.669	95	417736	94.768	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 189.540%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	231486	72.975	ug/l	97
3) Chloromethane	2.269	50	285401	63.876	ug/l	93
4) Vinyl Chloride	2.405	62	613791	138.248	ug/l	97
5) Bromomethane	2.781	94	397679	163.832	ug/l	96
6) Chloroethane	2.952	64	465447	136.651	ug/l	97
7) Trichlorofluoromethane	3.310	101	380495	56.061	ug/l	98
8) Diethyl Ether	3.763	74	157878	54.697	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.140	101	237755	61.339	ug/l	91
10) Methyl Iodide	4.351	142	190561	60.911	ug/l	92
11) Tert butyl alcohol	5.287	59	333264	286.580	ug/l	99
12) 1,1-Dichloroethene	4.116	96	218823	60.879	ug/l	98
13) Acrolein	3.975	56	210244	199.990	ug/l	98
14) Allyl chloride	4.757	41	358236	44.694	ug/l #	87
15) Acrylonitrile	5.469	53	916116	266.651	ug/l	100
16) Acetone	4.216	43	715542	225.170	ug/l	99
17) Carbon Disulfide	4.457	76	570412	55.761	ug/l	99
18) Methyl Acetate	4.775	43	412259	42.934	ug/l	99
19) Methyl tert-butyl Ether	5.528	73	951136	71.538	ug/l	97
20) Methylene Chloride	5.010	84	277680	51.224	ug/l	95
21) trans-1,2-Dichloroethene	5.510	96	269685	65.007	ug/l	97
22) Diisopropyl ether	6.410	45	964018	59.031	ug/l	99
23) Vinyl Acetate	6.351	43	4229175	306.728	ug/l	100
24) 1,1-Dichloroethane	6.304	63	519434	64.475	ug/l	98
25) 2-Butanone	7.257	43	1326804	261.000	ug/l	98
26) 2,2-Dichloropropane	7.251	77	420791	75.077	ug/l	100
27) cis-1,2-Dichloroethene	7.251	96	334315	72.149	ug/l	99
28) Bromochloromethane	7.587	49	180327	56.220	ug/l	86
29) Tetrahydrofuran	7.610	42	882049	272.449	ug/l	98
30) Chloroform	7.745	83	593513	72.269	ug/l	99
31) Cyclohexane	8.022	56	455298	57.944	ug/l	97
32) 1,1,1-Trichloroethane	7.939	97	504851	79.931	ug/l	99
36) 1,1-Dichloropropene	8.151	75	417940	69.984	ug/l	99
37) Ethyl Acetate	7.334	43	522322	52.299	ug/l	98
38) Carbon Tetrachloride	8.134	117	412406	72.256	ug/l	96
39) Methylcyclohexane	9.392	83	509593	72.690	ug/l	97
40) Benzene	8.387	78	1307365	69.721	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	231726	50.265	ug/l	94
42) 1,2-Dichloroethane	8.463	62	460125	68.952	ug/l	98
43) Isopropyl Acetate	8.492	43	805493	59.994	ug/l	99
44) Trichloroethene	9.151	130	300863	71.803	ug/l	95
45) 1,2-Dichloropropane	9.428	63	315446	62.307	ug/l	99
46) Dibromomethane	9.516	93	239976	70.971	ug/l #	85
47) Bromodichloromethane	9.698	83	471835	71.208	ug/l	99
48) Methyl methacrylate	9.498	41	375161	58.825	ug/l #	92
49) 1,4-Dioxane	9.504	88	172205	1251.553	ug/l #	91
51) 4-Methyl-2-Pentanone	10.269	43	2938680	301.584	ug/l	97
52) Toluene	10.445	92	865002	78.263	ug/l	97
53) t-1,3-Dichloropropene	10.657	75	523467	83.321	ug/l	100
54) cis-1,3-Dichloropropene	10.128	75	545607	77.571	ug/l	96
55) 1,1,2-Trichloroethane	10.839	97	345226	72.211	ug/l	97
56) Ethyl methacrylate	10.704	69	586598	80.949	ug/l #	93
57) 1,3-Dichloropropane	10.986	76	590970	71.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.981	63	1423898	388.435	ug/l	94
59) 2-Hexanone	11.028	43	2294200	310.251	ug/l	97
60) Dibromochloromethane	11.175	129	360013	80.397	ug/l	97
61) 1,2-Dibromoethane	11.286	107	362984	79.458	ug/l	100
64) Tetrachloroethene	10.916	164	247212	63.155	ug/l	92
65) Chlorobenzene	11.710	112	901501	74.133	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	328414	75.982	ug/l	99
67) Ethyl Benzene	11.786	91	1730900	79.315	ug/l	100
68) m/p-Xylenes	11.892	106	1314602	162.157	ug/l	96
69) o-Xylene	12.222	106	638931	79.096	ug/l	94
70) Styrene	12.233	104	1111201	86.344	ug/l	99
71) Bromoform	12.398	173	264762	72.318	ug/l	100
73) Isopropylbenzene	12.516	105	1726843	77.509	ug/l	98
74) N-amyl acetate	12.327	43	764709	60.667	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.769	83	596364	64.546	ug/l	99
76) 1,2,3-Trichloropropane	12.816	75	562345m	76.077	ug/l	
77) Bromobenzene	12.798	156	364875	70.014	ug/l	84
78) n-propylbenzene	12.857	91	2063183	81.242	ug/l	96
79) 2-Chlorotoluene	12.945	91	1176990	75.665	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	1411953	77.926	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	190184	75.882	ug/l	100
82) 4-Chlorotoluene	13.039	91	1149184	76.351	ug/l	99
83) tert-Butylbenzene	13.263	119	1249118	80.593	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	1450668	82.957	ug/l	98
85) sec-Butylbenzene	13.439	105	1817617	83.601	ug/l	97
86) p-Isopropyltoluene	13.551	119	1481353	87.564	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	691512	74.437	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	694208	72.232	ug/l	99
89) n-Butylbenzene	13.880	91	1317410	89.414	ug/l	95
90) Hexachloroethane	14.145	117	249123	71.429	ug/l	80
91) 1,2-Dichlorobenzene	13.927	146	675394	68.968	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	132210	71.592	ug/l	85
93) 1,2,4-Trichlorobenzene	15.192	180	368479	76.925	ug/l	99
94) Hexachlorobutadiene	15.298	225	150636	63.947	ug/l	99
95) Naphthalene	15.433	128	1431684	83.198	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	372044	74.975	ug/l	97

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

