

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072921.D
 Acq On : 18 Jun 2022 06:50
 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 06/20/2022
 Supervised By : Mahesh Dadoda 06/20/2022

Quant Time: Jun 20 08:00:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	344887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	580114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	512560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	236814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	216085	46.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.680%		
35) Dibromofluoromethane	7.945	113	173664	48.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.860%		
50) Toluene-d8	10.375	98	655659	49.142	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.280%		
62) 4-Bromofluorobenzene	12.663	95	237566	49.517	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.040%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	172378	52.494	ug/l	100
3) Chloromethane	2.269	50	167422	47.460	ug/l	100
4) Vinyl Chloride	2.410	62	147114	49.956	ug/l	99
5) Bromomethane	2.793	94	71314	61.517	ug/l	97
6) Chloroethane	2.963	64	89008	48.312	ug/l	99
7) Trichlorofluoromethane	3.316	101	271878	56.693	ug/l	98
8) Diethyl Ether	3.763	74	116220	46.958	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.146	101	166610	50.261	ug/l	100
10) Methyl Iodide	4.346	142	181214	47.693	ug/l	98
11) Tert butyl alcohol	5.281	59	233659	193.995	ug/l	99
12) 1,1-Dichloroethene	4.116	96	159121	48.189	ug/l	99
13) Acrolein	3.981	56	95378	201.064	ug/l	98
14) Allyl chloride	4.757	41	324265	45.964	ug/l #	94
15) Acrylonitrile	5.475	53	595965	214.644	ug/l	100
16) Acetone	4.222	43	511608	199.605	ug/l	95
17) Carbon Disulfide	4.457	76	406494	48.047	ug/l	100
18) Methyl Acetate	4.775	43	277350	40.635	ug/l	93
19) Methyl tert-butyl Ether	5.528	73	591596	47.705	ug/l	99
20) Methylene Chloride	5.010	84	184437	46.375	ug/l	90
21) trans-1,2-Dichloroethene	5.510	96	170038	47.340	ug/l	93
22) Diisopropyl ether	6.410	45	628907	47.819	ug/l	97
23) Vinyl Acetate	6.345	43	2890376	238.077	ug/l	94
24) 1,1-Dichloroethane	6.304	63	326756	47.390	ug/l	98
25) 2-Butanone	7.257	43	846141	208.038	ug/l	91
26) 2,2-Dichloropropane	7.245	77	293395	51.275	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	206508	48.123	ug/l	99
28) Bromochloromethane	7.581	49	138955	48.729	ug/l	90
29) Tetrahydrofuran	7.610	42	563676	209.869	ug/l	89
30) Chloroform	7.745	83	332993	47.705	ug/l	98
31) Cyclohexane	8.016	56	296664	47.035	ug/l	92
32) 1,1,1-Trichloroethane	7.939	97	296495	48.404	ug/l	99
36) 1,1-Dichloropropene	8.145	75	239324	49.327	ug/l	100
37) Ethyl Acetate	7.334	43	327908	42.254	ug/l	97
38) Carbon Tetrachloride	8.128	117	251008	49.185	ug/l	100
39) Methylcyclohexane	9.386	83	307797	52.632	ug/l	97
40) Benzene	8.386	78	747557	49.027	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	162118	44.053	ug/l	91
42) 1,2-Dichloroethane	8.457	62	266295	49.170	ug/l	98
43) Isopropyl Acetate	8.492	43	520771	46.945	ug/l	94
44) Trichloroethene	9.145	130	189844	49.130	ug/l	94
45) 1,2-Dichloropropane	9.422	63	191938	49.246	ug/l	98
46) Dibromomethane	9.510	93	131881	50.042	ug/l	94
47) Bromodichloromethane	9.692	83	264523	50.506	ug/l	97
48) Methyl methacrylate	9.492	41	246464	48.662	ug/l	91
49) 1,4-Dioxane	9.498	88	89359	784.126	ug/l #	91
51) 4-Methyl-2-Pentanone	10.263	43	1629694	225.284	ug/l	92
52) Toluene	10.439	92	479687	51.241	ug/l	97
53) t-1,3-Dichloropropene	10.651	75	299149	53.110	ug/l	98
54) cis-1,3-Dichloropropene	10.122	75	316954	51.516	ug/l	92
55) 1,1,2-Trichloroethane	10.833	97	191116	46.495	ug/l	99
56) Ethyl methacrylate	10.698	69	323577	49.114	ug/l	89
57) 1,3-Dichloropropane	10.980	76	323551	47.446	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.975	63	737073	253.403	ug/l	97
59) 2-Hexanone	11.022	43	1241986	221.980	ug/l	91
60) Dibromochloromethane	11.175	129	205211	52.825	ug/l	100
61) 1,2-Dibromoethane	11.280	107	203636	50.253	ug/l	99
64) Tetrachloroethene	10.910	164	157701	50.576	ug/l	97
65) Chlorobenzene	11.704	112	497075	49.658	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.774	131	189136	49.643	ug/l	97
67) Ethyl Benzene	11.780	91	912853	51.804	ug/l	100
68) m/p-Xylenes	11.886	106	699301	101.182	ug/l	98
69) o-Xylene	12.216	106	346088	50.113	ug/l	99
70) Styrene	12.227	104	573213	51.685	ug/l	99
71) Bromoform	12.392	173	150503	52.391	ug/l #	100
73) Isopropylbenzene	12.516	105	905281	49.413	ug/l	100
74) N-amyl acetate	12.322	43	439197	46.196	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.763	83	295235	44.746	ug/l	99
76) 1,2,3-Trichloropropane	12.816	75	258972m	45.105	ug/l	
77) Bromobenzene	12.792	156	212773	48.479	ug/l	92
78) n-propylbenzene	12.857	91	1060854	52.644	ug/l	98
79) 2-Chlorotoluene	12.939	91	636798	48.799	ug/l	97
80) 1,3,5-Trimethylbenzene	12.992	105	763064	50.706	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	105838	49.783	ug/l	99
82) 4-Chlorotoluene	13.039	91	620538	50.261	ug/l	99
83) tert-Butylbenzene	13.257	119	658673	47.791	ug/l	96
84) 1,2,4-Trimethylbenzene	13.304	105	748682	49.949	ug/l	99
85) sec-Butylbenzene	13.433	105	945482	51.425	ug/l	99
86) p-Isopropyltoluene	13.551	119	780862	52.459	ug/l	99
87) 1,3-Dichlorobenzene	13.545	146	384620	49.085	ug/l	100
88) 1,4-Dichlorobenzene	13.627	146	386311	48.710	ug/l	98
89) n-Butylbenzene	13.874	91	674503	55.494	ug/l	99
90) Hexachloroethane	14.145	117	144113	51.355	ug/l	90
91) 1,2-Dichlorobenzene	13.921	146	391579	47.919	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.533	75	70906	42.603	ug/l	96
93) 1,2,4-Trichlorobenzene	15.192	180	229650	50.781	ug/l	98
94) Hexachlorobutadiene	15.292	225	98429	50.015	ug/l	99
95) Naphthalene	15.427	128	823633	45.021	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	230652	47.762	ug/l	98

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

