

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062422\
 Data File : VN073073.D
 Acq On : 24 Jun 2022 10:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/25/2022
 Supervised By : Mahesh Dadoda 06/28/2022

Quant Time: Jun 24 23:38:13 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	267068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	456768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	408408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	190821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	199380	55.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.440%			
35) Dibromofluoromethane	7.951	113	157605	55.824	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.640%			
50) Toluene-d8	10.374	98	576875	54.913	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.820%			
62) 4-Bromofluorobenzene	12.668	95	219825	58.192	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	132815	52.231	ug/l	98
3) Chloromethane	2.269	50	124413	45.567	ug/l	99
4) Vinyl Chloride	2.410	62	112365	49.274	ug/l	97
5) Bromomethane	2.793	94	47402	52.805	ug/l	98
6) Chloroethane	2.957	64	69691	48.849	ug/l	99
7) Trichlorofluoromethane	3.316	101	219118	59.005	ug/l	99
8) Diethyl Ether	3.763	74	101638	53.032	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.140	101	137513	53.570	ug/l	97
10) Methyl Iodide	4.351	142	116046	39.441	ug/l	96
11) Tert butyl alcohol	5.281	59	213545	228.956	ug/l	99
12) 1,1-Dichloroethene	4.116	96	124459	48.674	ug/l	97
13) Acrolein	3.981	56	71734	195.283	ug/l	95
14) Allyl chloride	4.757	41	272217	49.829	ug/l #	95
15) Acrylonitrile	5.469	53	561084	260.964	ug/l	99
16) Acetone	4.216	43	484253	243.984	ug/l	95
17) Carbon Disulfide	4.457	76	260407	39.749	ug/l	98
18) Methyl Acetate	4.775	43	271444	51.358	ug/l	91
19) Methyl tert-butyl Ether	5.528	73	536761	55.895	ug/l	100
20) Methylene Chloride	5.010	84	155490	50.510	ug/l	87
21) trans-1,2-Dichloroethene	5.510	96	129712	46.636	ug/l	95
22) Diisopropyl ether	6.410	45	568701	55.841	ug/l	96
23) Vinyl Acetate	6.345	43	2613285	277.974	ug/l #	93
24) 1,1-Dichloroethane	6.304	63	282339	52.879	ug/l	99
25) 2-Butanone	7.257	43	798446	253.513	ug/l	90
26) 2,2-Dichloropropane	7.245	77	240765	54.373	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	173814	52.307	ug/l	98
28) Bromochloromethane	7.581	49	121161	54.869	ug/l	86
29) Tetrahydrofuran	7.604	42	524087	251.986	ug/l	89
30) Chloroform	7.739	83	292896	54.188	ug/l	98
31) Cyclohexane	8.022	56	230288	47.150	ug/l	91
32) 1,1,1-Trichloroethane	7.939	97	250967	52.910	ug/l	98
36) 1,1-Dichloropropene	8.145	75	195005	51.046	ug/l	100
37) Ethyl Acetate	7.333	43	322341	52.753	ug/l	95
38) Carbon Tetrachloride	8.128	117	204975	51.011	ug/l	98
39) Methylcyclohexane	9.392	83	236076	51.269	ug/l	95
40) Benzene	8.386	78	626195	52.157	ug/l	97

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41) Methacrylonitrile	7.557	41	154303	53.252	ug/l	87
42) 1,2-Dichloroethane	8.457	62	239989	56.279	ug/l	99
43) Isopropyl Acetate	8.492	43	483873	55.397	ug/l	93
44) Trichloroethene	9.145	130	155339	51.056	ug/l	90
45) 1,2-Dichloropropane	9.422	63	166977	54.411	ug/l	96
46) Dibromomethane	9.510	93	114300	55.083	ug/l	93
47) Bromodichloromethane	9.698	83	235680	57.150	ug/l	97
48) Methyl methacrylate	9.492	41	214560	53.803	ug/l	90
49) 1,4-Dioxane	9.498	88	84092	937.173	ug/l #	95
51) 4-Methyl-2-Pentanone	10.263	43	1572397	276.061	ug/l	91
52) Toluene	10.439	92	394272	53.490	ug/l	99
53) t-1,3-Dichloropropene	10.651	75	259467	58.504	ug/l	98
54) cis-1,3-Dichloropropene	10.122	75	273389	56.434	ug/l #	89
55) 1,1,2-Trichloroethane	10.833	97	171187	52.893	ug/l	97
56) Ethyl methacrylate	10.698	69	293743	56.625	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	292193	54.418	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.975	63	665486	290.575	ug/l	96
59) 2-Hexanone	11.021	43	1195687	271.414	ug/l	89
60) Dibromochloromethane	11.174	129	182346	59.615	ug/l	100
61) 1,2-Dibromoethane	11.280	107	178950	56.087	ug/l	100
64) Tetrachloroethene	10.910	164	131319	52.855	ug/l	96
65) Chlorobenzene	11.704	112	423120	53.049	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.774	131	166832	54.956	ug/l	98
67) Ethyl Benzene	11.780	91	772378	55.010	ug/l	99
68) m/p-Xylenes	11.886	106	582036	105.691	ug/l	94
69) o-Xylene	12.216	106	297080	53.987	ug/l	97
70) Styrene	12.233	104	493067	55.796	ug/l	98
71) Bromoform	12.392	173	134087	58.580	ug/l #	98
73) Isopropylbenzene	12.515	105	775626	52.541	ug/l	99
74) N-amyl acetate	12.327	43	406985	53.126	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.763	83	270967	50.967	ug/l	100
76) 1,2,3-Trichloropropane	12.815	75	212094m	45.844	ug/l	
77) Bromobenzene	12.792	156	182582	51.627	ug/l	89
78) n-propylbenzene	12.857	91	902998	55.611	ug/l	97
79) 2-Chlorotoluene	12.939	91	543167	51.657	ug/l	98
80) 1,3,5-Trimethylbenzene	12.992	105	649950	53.599	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	92436	53.958	ug/l	95
82) 4-Chlorotoluene	13.039	91	542057	54.486	ug/l	97
83) tert-Butylbenzene	13.257	119	586817	52.840	ug/l	98
84) 1,2,4-Trimethylbenzene	13.304	105	649299	53.760	ug/l	97
85) sec-Butylbenzene	13.439	105	804261	54.288	ug/l	98
86) p-Isopropyltoluene	13.551	119	664958	55.440	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	332640	52.684	ug/l	100
88) 1,4-Dichlorobenzene	13.627	146	333451	52.179	ug/l	98
89) n-Butylbenzene	13.874	91	559944	57.172	ug/l	99
90) Hexachloroethane	14.145	117	123206	54.487	ug/l	88
91) 1,2-Dichlorobenzene	13.921	146	341781	51.906	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	65732	49.026	ug/l	91
93) 1,2,4-Trichlorobenzene	15.192	180	191359	52.512	ug/l	98
94) Hexachlorobutadiene	15.298	225	78557	49.539	ug/l	98
95) Naphthalene	15.427	128	707871	48.020	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	189615	48.728	ug/l	97

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

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