

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071522\
 Data File : VN073487.D
 Acq On : 15 Jul 2022 17:14
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2022
 Supervised By : Mahesh Dadoda 07/18/2022

Quant Time: Jul 16 04:14:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.010	168	218365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	378138	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	351907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	173736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	166414	52.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.580%			
35) Dibromofluoromethane	7.945	113	131510	52.273	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.540%			
50) Toluene-d8	10.375	98	444669	49.765	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.540%			
62) 4-Bromofluorobenzene	12.669	95	188806	54.985	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.960%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	144704	45.326	ug/l	99
3) Chloromethane	2.263	50	137387	44.326	ug/l	99
4) Vinyl Chloride	2.404	62	115596	43.894	ug/l	98
5) Bromomethane	2.781	94	69192	55.627	ug/l	98
6) Chloroethane	2.946	64	72689	46.921	ug/l	90
7) Trichlorofluoromethane	3.304	101	212785	46.736	ug/l	100
8) Diethyl Ether	3.763	74	93776	50.597	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.134	101	128866	47.902	ug/l	96
10) Methyl Iodide	4.340	142	135863	42.326	ug/l	94
11) Tert butyl alcohol	5.287	59	198262	259.628	ug/l	100
12) 1,1-Dichloroethene	4.104	96	117495	45.707	ug/l	94
13) Acrolein	3.975	56	72674	150.566	ug/l	97
14) Allyl chloride	4.751	41	271899	50.209	ug/l #	91
15) Acrylonitrile	5.463	53	545110	277.296	ug/l	98
16) Acetone	4.216	43	484768	273.964	ug/l	97
17) Carbon Disulfide	4.446	76	260619	39.100	ug/l	100
18) Methyl Acetate	4.769	43	299376	60.374	ug/l #	89
19) Methyl tert-butyl Ether	5.528	73	490141	52.316	ug/l	100
20) Methylene Chloride	5.010	84	151354	48.672	ug/l	88
21) trans-1,2-Dichloroethene	5.510	96	124946	46.518	ug/l	91
22) Diisopropyl ether	6.404	45	562427	55.658	ug/l #	95
23) Vinyl Acetate	6.345	43	2395236	264.746	ug/l #	92
24) 1,1-Dichloroethane	6.298	63	274788	52.548	ug/l	98
25) 2-Butanone	7.251	43	802038	284.696	ug/l #	87
26) 2,2-Dichloropropane	7.239	77	210592	43.543	ug/l	99
27) cis-1,2-Dichloroethene	7.239	96	159016	48.888	ug/l	93
28) Bromochloromethane	7.581	49	125963	57.516	ug/l #	81
29) Tetrahydrofuran	7.604	42	535109	277.405	ug/l #	85
30) Chloroform	7.739	83	274047	52.032	ug/l	99
31) Cyclohexane	8.016	56	226029	43.781	ug/l	91
32) 1,1,1-Trichloroethane	7.939	97	235454	50.164	ug/l	100
36) 1,1-Dichloropropene	8.145	75	188665	48.737	ug/l	97
37) Ethyl Acetate	7.328	43	311147	53.196	ug/l #	94
38) Carbon Tetrachloride	8.128	117	188887	47.184	ug/l	99
39) Methylcyclohexane	9.392	83	224785	46.641	ug/l	95
40) Benzene	8.386	78	596034	49.891	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.557	41	162707	57.358	ug/l #	82
42) 1,2-Dichloroethane	8.457	62	221206	51.080	ug/l	97
43) Isopropyl Acetate	8.492	43	459372	54.647	ug/l #	92
44) Trichloroethene	9.145	130	140636	46.259	ug/l	87
45) 1,2-Dichloropropane	9.422	63	158296	51.986	ug/l	97
46) Dibromomethane	9.510	93	103342	49.984	ug/l	92
47) Bromodichloromethane	9.698	83	214795	53.640	ug/l	99
48) Methyl methacrylate	9.492	41	201598	51.796	ug/l	90
49) 1,4-Dioxane	9.498	88	81268	1099.882	ug/l #	90
51) 4-Methyl-2-Pentanone	10.269	43	1552909	291.308	ug/l	90
52) Toluene	10.439	92	368059	49.852	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	231224	52.453	ug/l	99
54) cis-1,3-Dichloropropene	10.122	75	249073	52.336	ug/l #	87
55) 1,1,2-Trichloroethane	10.833	97	155112	51.032	ug/l	96
56) Ethyl methacrylate	10.698	69	263392	53.614	ug/l #	85
57) 1,3-Dichloropropane	10.980	76	274126	52.611	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.975	63	619763	282.866	ug/l	92
59) 2-Hexanone	11.022	43	1166185	286.989	ug/l	90
60) Dibromochloromethane	11.174	129	159870	55.167	ug/l	100
61) 1,2-Dibromoethane	11.280	107	158117	52.081	ug/l	99
64) Tetrachloroethene	10.910	164	129281	44.990	ug/l	95
65) Chlorobenzene	11.710	112	389714	48.966	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	144959	49.518	ug/l	99
67) Ethyl Benzene	11.780	91	728136	50.393	ug/l	95
68) m/p-Xylenes	11.892	106	546222	100.168	ug/l	95
69) o-Xylene	12.216	106	274003	49.221	ug/l	97
70) Styrene	12.233	104	451775	52.564	ug/l	98
71) Bromoform	12.398	173	115141	53.753	ug/l #	96
73) Isopropylbenzene	12.516	105	717447	47.821	ug/l	99
74) N-amyl acetate	12.327	43	362211	48.216	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.769	83	248031	49.820	ug/l	100
76) 1,2,3-Trichloropropane	12.821	75	212591m	46.797	ug/l	
77) Bromobenzene	12.798	156	159581	45.750	ug/l	84
78) n-propylbenzene	12.857	91	845596	50.735	ug/l	97
79) 2-Chlorotoluene	12.945	91	504194	47.797	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	602390	49.261	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.563	75	78561	47.426	ug/l	90
82) 4-Chlorotoluene	13.045	91	491577	48.136	ug/l	97
83) tert-Butylbenzene	13.263	119	531431	48.475	ug/l	96
84) 1,2,4-Trimethylbenzene	13.304	105	594282	48.676	ug/l	97
85) sec-Butylbenzene	13.439	105	751171	51.027	ug/l	98
86) p-Isopropyltoluene	13.557	119	618810	52.036	ug/l	97
87) 1,3-Dichlorobenzene	13.551	146	296838	47.436	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	293878	46.871	ug/l	97
89) n-Butylbenzene	13.880	91	527626	53.245	ug/l	98
90) Hexachloroethane	14.145	117	108636	49.019	ug/l	84
91) 1,2-Dichlorobenzene	13.921	146	302891	47.515	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	59123	48.860	ug/l	85
93) 1,2,4-Trichlorobenzene	15.192	180	163818	49.355	ug/l	99
94) Hexachlorobutadiene	15.298	225	68786	46.619	ug/l	99
95) Naphthalene	15.433	128	620806	46.363	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	164893	48.159	ug/l	98

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

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