

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070822\
 Data File : VN073406.D
 Acq On : 08 Jul 2022 20:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2022
 Supervised By : Mahesh Dadoda 07/11/2022

Quant Time: Jul 09 05:30:50 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	8.016	168	214706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	390093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	358358	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	169043	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	169641	54.731	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.460%			
35) Dibromofluoromethane	7.951	113	134933	51.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.980%			
50) Toluene-d8	10.380	98	467953	50.766	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.669	95	187843	53.028	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	155640	49.582	ug/l	98
3) Chloromethane	2.269	50	142008	46.598	ug/l	99
4) Vinyl Chloride	2.405	62	123442	47.672	ug/l	99
5) Bromomethane	2.787	94	54200	44.316	ug/l	97
6) Chloroethane	2.957	64	77372	50.795	ug/l	96
7) Trichlorofluoromethane	3.310	101	214348	47.882	ug/l	99
8) Diethyl Ether	3.769	74	98562	54.086	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.140	101	130759	49.434	ug/l	96
10) Methyl Iodide	4.351	142	139422	44.339	ug/l	96
11) Tert butyl alcohol	5.293	59	233580	311.091	ug/l	100
12) 1,1-Dichloroethene	4.110	96	128463	50.826	ug/l	96
13) Acrolein	3.981	56	133206	280.680	ug/l	95
14) Allyl chloride	4.763	41	278847	52.370	ug/l #	91
15) Acrylonitrile	5.475	53	583892	302.086	ug/l	100
16) Acetone	4.222	43	539124	309.875	ug/l	97
17) Carbon Disulfide	4.457	76	305902	46.675	ug/l	99
18) Methyl Acetate	4.775	43	292498	59.992	ug/l #	89
19) Methyl tert-butyl Ether	5.540	73	503580	54.666	ug/l	97
20) Methylene Chloride	5.016	84	154489	50.527	ug/l	91
21) trans-1,2-Dichloroethene	5.516	96	133195	50.434	ug/l	97
22) Diisopropyl ether	6.410	45	563119	56.677	ug/l	96
23) Vinyl Acetate	6.351	43	2496383	280.628	ug/l #	94
24) 1,1-Dichloroethane	6.304	63	279598	54.379	ug/l	100
25) 2-Butanone	7.257	43	868301	313.470	ug/l #	88
26) 2,2-Dichloropropane	7.251	77	174741	36.746	ug/l	99
27) cis-1,2-Dichloroethene	7.251	96	166029	51.913	ug/l	97
28) Bromochloromethane	7.587	49	130620	60.659	ug/l	82
29) Tetrahydrofuran	7.610	42	583398	307.593	ug/l #	85
30) Chloroform	7.745	83	281305	54.320	ug/l	96
31) Cyclohexane	8.022	56	242067	47.686	ug/l	86
32) 1,1,1-Trichloroethane	7.939	97	248007	53.739	ug/l	99
36) 1,1-Dichloropropene	8.151	75	196592	49.229	ug/l	98
37) Ethyl Acetate	7.340	43	331253	54.898	ug/l #	94
38) Carbon Tetrachloride	8.134	117	202736	49.092	ug/l	99
39) Methylcyclohexane	9.392	83	229129	46.086	ug/l	93
40) Benzene	8.392	78	616882	50.054	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	145255	49.636	ug/l	92
42) 1,2-Dichloroethane	8.463	62	230389	51.570	ug/l	97
43) Isopropyl Acetate	8.492	43	478755	55.207	ug/l #	92
44) Trichloroethene	9.151	130	152483	48.618	ug/l	91
45) 1,2-Dichloropropane	9.428	63	161264	51.337	ug/l	96
46) Dibromomethane	9.516	93	108297	50.775	ug/l	92
47) Bromodichloromethane	9.698	83	218910	52.992	ug/l	97
48) Methyl methacrylate	9.498	41	213634	53.206	ug/l	88
49) 1,4-Dioxane	9.504	88	87799	1151.857	ug/l #	91
51) 4-Methyl-2-Pentanone	10.269	43	1615922	293.839	ug/l	90
52) Toluene	10.445	92	375282	49.272	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	231241	50.849	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	246287	50.164	ug/l #	91
55) 1,1,2-Trichloroethane	10.839	97	158704	50.614	ug/l	99
56) Ethyl methacrylate	10.704	69	274509	54.164	ug/l #	86
57) 1,3-Dichloropropane	10.986	76	276987	51.531	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	611322	270.463	ug/l	94
59) 2-Hexanone	11.027	43	1246151	297.269	ug/l	89
60) Dibromochloromethane	11.175	129	163427	54.666	ug/l	99
61) 1,2-Dibromoethane	11.286	107	165372	52.802	ug/l	99
64) Tetrachloroethene	10.916	164	135611	46.343	ug/l	94
65) Chlorobenzene	11.710	112	393522	48.554	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.780	131	148396	49.779	ug/l	99
67) Ethyl Benzene	11.786	91	731604	49.722	ug/l	99
68) m/p-Xylenes	11.892	106	549032	98.871	ug/l	95
69) o-Xylene	12.222	106	276341	48.747	ug/l	96
70) Styrene	12.233	104	457189	52.237	ug/l	99
71) Bromoform	12.398	173	119457	54.764	ug/l #	98
73) Isopropylbenzene	12.522	105	719709	49.304	ug/l	99
74) N-amyl acetate	12.327	43	373419	51.088	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.769	83	252625	52.152	ug/l	100
76) 1,2,3-Trichloropropane	12.821	75	225767m	51.077	ug/l	
77) Bromobenzene	12.798	156	163983	48.317	ug/l	85
78) n-propylbenzene	12.863	91	831229	51.258	ug/l	97
79) 2-Chlorotoluene	12.945	91	511150	49.802	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	592466	49.795	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.569	75	77314	47.969	ug/l	93
82) 4-Chlorotoluene	13.045	91	489555	49.268	ug/l	96
83) tert-Butylbenzene	13.263	119	526256	49.335	ug/l	95
84) 1,2,4-Trimethylbenzene	13.304	105	591406	49.785	ug/l	96
85) sec-Butylbenzene	13.439	105	730161	50.977	ug/l	98
86) p-Isopropyltoluene	13.557	119	590688	51.051	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	292308	48.009	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	292754	47.988	ug/l	98
89) n-Butylbenzene	13.880	91	491851	51.013	ug/l	99
90) Hexachloroethane	14.145	117	109790	50.915	ug/l	86
91) 1,2-Dichlorobenzene	13.927	146	301633	48.632	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	65057	55.257	ug/l	88
93) 1,2,4-Trichlorobenzene	15.192	180	157851	48.878	ug/l	99
94) Hexachlorobutadiene	15.298	225	67651	47.123	ug/l	99
95) Naphthalene	15.433	128	633868	48.653	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	162438	48.759	ug/l	98

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

