

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072591.D
 Acq On : 24 May 2022 16:43
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Quant Time: May 25 09:19:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	142158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	213698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	207793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	93778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	79167	48.957	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 97.920%			
35) Dibromofluoromethane	8.016	113	69817	50.408	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.820%			
50) Toluene-d8	10.439	98	271290	51.298	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.727	95	99810	58.028	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	60848	45.430	ug/l	99
3) Chloromethane	2.293	50	70881	46.343	ug/l	96
4) Vinyl Chloride	2.434	62	60324	45.581	ug/l	98
5) Bromomethane	2.810	94	37872	50.905	ug/l	93
6) Chloroethane	2.987	64	36166	45.543	ug/l	95
7) Trichlorofluoromethane	3.351	101	106877	47.735	ug/l	100
8) Diethyl Ether	3.816	74	43287	48.393	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.198	101	64444	47.627	ug/l	97
10) Methyl Iodide	4.410	142	80828	50.756	ug/l	97
11) Tert butyl alcohol	5.363	59	74587	244.947	ug/l	99
12) 1,1-Dichloroethene	4.175	96	60091	47.982	ug/l	97
13) Acrolein	4.028	56	41209	221.814	ug/l	99
14) Allyl chloride	4.828	41	112896	48.419	ug/l	90
15) Acrylonitrile	5.539	53	229340	236.852	ug/l	99
16) Acetone	4.275	43	174805	219.927	ug/l	98
17) Carbon Disulfide	4.522	76	151113	47.611	ug/l	99
18) Methyl Acetate	4.839	43	102639	47.411	ug/l	95
19) Methyl tert-butyl Ether	5.604	73	221717	50.031	ug/l	99
20) Methylene Chloride	5.087	84	76916	48.314	ug/l	98
21) trans-1,2-Dichloroethene	5.581	96	65514	48.342	ug/l	96
22) Diisopropyl ether	6.486	45	240505	48.543	ug/l	95
23) Vinyl Acetate	6.422	43	1041601	247.542	ug/l	97
24) 1,1-Dichloroethane	6.375	63	127082	47.557	ug/l	97
25) 2-Butanone	7.328	43	304391	226.962	ug/l	95
26) 2,2-Dichloropropane	7.316	77	101782	49.466	ug/l	98
27) cis-1,2-Dichloroethene	7.316	96	83068	48.587	ug/l	96
28) Bromochloromethane	7.651	49	53831	48.830	ug/l	92
29) Tetrahydrofuran	7.675	42	203183	243.485	ug/l	93
30) Chloroform	7.810	83	134133	47.750	ug/l	99
31) Cyclohexane	8.086	56	120888	47.194	ug/l	89
32) 1,1,1-Trichloroethane	8.010	97	113697	48.326	ug/l	97
36) 1,1-Dichloropropene	8.210	75	98034	50.029	ug/l	99
37) Ethyl Acetate	7.404	43	123157	48.080	ug/l	98
38) Carbon Tetrachloride	8.204	117	99334	48.025	ug/l	98
39) Methylcyclohexane	9.457	83	123728	51.243	ug/l	99
40) Benzene	8.451	78	305106	48.253	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	61800	47.951	ug/l	87
42) 1,2-Dichloroethane	8.522	62	99649	48.642	ug/l	98
43) Isopropyl Acetate	8.551	43	180039	49.567	ug/l	99
44) Trichloroethene	9.210	130	78712	48.413	ug/l	97
45) 1,2-Dichloropropane	9.480	63	80461	49.036	ug/l	100
46) Dibromomethane	9.569	93	53609	48.949	ug/l	99
47) Bromodichloromethane	9.757	83	106978	50.125	ug/l	99
48) Methyl methacrylate	9.557	41	89467	50.637	ug/l	94
49) 1,4-Dioxane	9.563	88	38274	1135.044	ug/l	97
51) 4-Methyl-2-Pentanone	10.327	43	626496	251.953	ug/l	97
52) Toluene	10.498	92	197186	49.245	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	117136	53.692	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	128475	52.296	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	82368	49.583	ug/l	97
56) Ethyl methacrylate	10.757	69	137546	53.752	ug/l	97
57) 1,3-Dichloropropane	11.039	76	138214	49.365	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.033	63	284024	259.406	ug/l	96
59) 2-Hexanone	11.080	43	459835	260.857	ug/l	98
60) Dibromochloromethane	11.233	129	90076	50.659	ug/l	99
61) 1,2-Dibromoethane	11.339	107	87293	50.401	ug/l	99
64) Tetrachloroethene	10.974	164	74209	48.338	ug/l	96
65) Chlorobenzene	11.763	112	220054	47.330	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.833	131	81971	46.630	ug/l	98
67) Ethyl Benzene	11.839	91	395412	49.962	ug/l	98
68) m/p-Xylenes	11.945	106	309158	102.485	ug/l	100
69) o-Xylene	12.274	106	153595	52.671	ug/l	99
70) Styrene	12.286	104	258016	54.673	ug/l	98
71) Bromoform	12.457	173	73460	50.841	ug/l #	100
73) Isopropylbenzene	12.574	105	401091	48.015	ug/l	100
74) N-amyl acetate	12.380	43	150242	50.107	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.821	83	127610	43.258	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	124090m	48.739	ug/l	
77) Bromobenzene	12.857	156	99838	48.178	ug/l	98
78) n-propylbenzene	12.915	91	468045	50.531	ug/l	100
79) 2-Chlorotoluene	13.004	91	274361	47.946	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	327730	50.439	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	42223	48.668	ug/l	95
82) 4-Chlorotoluene	13.098	91	266426	50.915	ug/l	100
83) tert-Butylbenzene	13.315	119	303375	50.139	ug/l	97
84) 1,2,4-Trimethylbenzene	13.362	105	322720	50.650	ug/l	99
85) sec-Butylbenzene	13.498	105	417241	51.566	ug/l	100
86) p-Isopropyltoluene	13.609	119	344123	53.940	ug/l	99
87) 1,3-Dichlorobenzene	13.609	146	172061	49.196	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	167221	48.734	ug/l	97
89) n-Butylbenzene	13.939	91	272464	52.930	ug/l	99
90) Hexachloroethane	14.204	117	61487	48.752	ug/l	96
91) 1,2-Dichlorobenzene	13.980	146	165034	49.261	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	23741	47.211	ug/l	93
93) 1,2,4-Trichlorobenzene	15.256	180	94801	53.721	ug/l	99
94) Hexachlorobutadiene	15.362	225	50608	48.598	ug/l	97
95) Naphthalene	15.498	128	303602	52.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	96716	51.189	ug/l	98

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

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