

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072615.D
 Acq On : 25 May 2022 02:57
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: May 25 09:26:42 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	8.081	168	104537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	168745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	218394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	103388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	67890	57.092	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.180%			
35) Dibromofluoromethane	8.016	113	52476	47.981	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.960%			
50) Toluene-d8	10.439	98	193358	46.302	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 92.600%			
62) 4-Bromofluorobenzene	12.727	95	105723	77.840	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 155.680%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.063	85	57030	57.903	ug/l	99
3) Chloromethane	2.293	50	70471	62.932	ug/l	99
4) Vinyl Chloride	2.434	62	76581	78.690	ug/l	100
5) Bromomethane	2.810	94	35121	63.823	ug/l	99
6) Chloroethane	2.981	64	48800	84.803	ug/l	97
7) Trichlorofluoromethane	3.351	101	89902	54.604	ug/l	99
8) Diethyl Ether	3.816	74	36591	55.556	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.204	101	49058	49.304	ug/l	98
10) Methyl Iodide	4.410	142	40085	34.230	ug/l	90
11) Tert butyl alcohol	5.369	59	71151	317.754	ug/l	99
12) 1,1-Dichloroethene	4.169	96	47213	51.266	ug/l	95
13) Acrolein	4.034	56	33842	247.247	ug/l	94
14) Allyl chloride	4.834	41	93740	54.672	ug/l	93
15) Acrylonitrile	5.545	53	192453	270.286	ug/l	98
16) Acetone	4.275	43	178183	304.855	ug/l #	88
17) Carbon Disulfide	4.516	76	117913	50.521	ug/l	96
18) Methyl Acetate	4.845	43	95419	60.069	ug/l	90
19) Methyl tert-butyl Ether	5.610	73	193004	59.226	ug/l	97
20) Methylene Chloride	5.087	84	59265	50.634	ug/l	92
21) trans-1,2-Dichloroethene	5.592	96	50907	51.082	ug/l	95
22) Diisopropyl ether	6.487	45	208288	57.170	ug/l	97
23) Vinyl Acetate	6.428	43	936485	302.656	ug/l	94
24) 1,1-Dichloroethane	6.381	63	108198	55.062	ug/l	98
25) 2-Butanone	7.328	43	285278	289.262	ug/l #	87
26) 2,2-Dichloropropane	7.316	77	69717	46.076	ug/l	98
27) cis-1,2-Dichloroethene	7.316	96	64410	51.232	ug/l	97
28) Bromochloromethane	7.651	49	46175	56.959	ug/l	88
29) Tetrahydrofuran	7.675	42	182652	297.653	ug/l	88
30) Chloroform	7.816	83	112605	54.513	ug/l	93
31) Cyclohexane	8.086	56	93083	49.416	ug/l	93
32) 1,1,1-Trichloroethane	8.010	97	98675	57.034	ug/l	99
36) 1,1-Dichloropropene	8.216	75	78162	50.514	ug/l	98
37) Ethyl Acetate	7.404	43	111410	55.081	ug/l #	94
38) Carbon Tetrachloride	8.204	117	81564	49.938	ug/l	99
39) Methylcyclohexane	9.457	83	93332	48.951	ug/l	97
40) Benzene	8.457	78	243809	48.831	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	53445	52.516	ug/l	90
42) 1,2-Dichloroethane	8.528	62	90173	55.743	ug/l	97
43) Isopropyl Acetate	8.557	43	170472	59.436	ug/l	93
44) Trichloroethene	9.216	130	60386	47.035	ug/l	100
45) 1,2-Dichloropropane	9.486	63	63737	49.191	ug/l	100
46) Dibromomethane	9.575	93	43697	50.527	ug/l	97
47) Bromodichloromethane	9.757	83	89405	53.051	ug/l	100
48) Methyl methacrylate	9.557	41	84179	60.337	ug/l	88
49) 1,4-Dioxane	9.563	88	26311	988.134	ug/l #	93
51) 4-Methyl-2-Pentanone	10.327	43	561012	285.721	ug/l	91
52) Toluene	10.504	92	146096	46.206	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	90629	52.608	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	97669	50.348	ug/l #	89
55) 1,1,2-Trichloroethane	10.892	97	61496	46.881	ug/l	97
56) Ethyl methacrylate	10.757	69	105212	52.069	ug/l #	84
57) 1,3-Dichloropropane	11.039	76	109289	49.433	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	225346	260.642	ug/l	93
59) 2-Hexanone	11.080	43	397984	285.914	ug/l	89
60) Dibromochloromethane	11.233	129	66308	47.226	ug/l	98
61) 1,2-Dibromoethane	11.339	107	64792	47.375	ug/l	99
64) Tetrachloroethene	10.974	164	53187	32.963	ug/l	94
65) Chlorobenzene	11.763	112	222605	45.554	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	86786	46.973	ug/l	99
67) Ethyl Benzene	11.839	91	412341	49.572	ug/l	100
68) m/p-Xylenes	11.951	106	303485	95.721	ug/l	99
69) o-Xylene	12.274	106	185686	60.585	ug/l	97
70) Styrene	12.292	104	302105	60.908	ug/l	98
71) Bromoform	12.451	173	87633	57.706	ug/l #	99
73) Isopropylbenzene	12.574	105	479064	52.018	ug/l	100
74) N-amyl acetate	12.380	43	187015	56.574	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	149757	46.046	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	133860m	47.689	ug/l	
77) Bromobenzene	12.857	156	116125	50.829	ug/l	96
78) n-propylbenzene	12.916	91	523555	51.270	ug/l	99
79) 2-Chlorotoluene	13.004	91	312960	49.608	ug/l	100
80) 1,3,5-Trimethylbenzene	13.051	105	357882	49.960	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.621	75	45332	47.395	ug/l	96
82) 4-Chlorotoluene	13.098	91	285669	49.518	ug/l	99
83) tert-Butylbenzene	13.315	119	348318	52.216	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	361664	51.486	ug/l	99
85) sec-Butylbenzene	13.498	105	468040	52.467	ug/l	100
86) p-Isopropyltoluene	13.610	119	371540	52.824	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	187231	48.558	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	181516	47.983	ug/l	98
89) n-Butylbenzene	13.939	91	283195	49.901	ug/l	99
90) Hexachloroethane	14.204	117	68173	49.028	ug/l	94
91) 1,2-Dichlorobenzene	13.986	146	184120	49.849	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	28248	50.952	ug/l	93
93) 1,2,4-Trichlorobenzene	15.257	180	85736	44.068	ug/l	99
94) Hexachlorobutadiene	15.362	225	43266	37.685	ug/l	99
95) Naphthalene	15.498	128	269316	41.856	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	57666	27.684	ug/l	99

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

