

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
 Data File : VN072907.D
 Acq On : 17 Jun 2022 02:55
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 17 06:09:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061622W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 17 06:04:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	216760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	373082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	379081	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	182786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	229698	57.357	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 114.720%			
35) Dibromofluoromethane	7.951	113	178666	52.720	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.440%			
50) Toluene-d8	10.374	98	659524	49.718	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.440%			
62) 4-Bromofluorobenzene	12.668	95	230886	50.175	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.340%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	149499	49.487	ug/l	92
3) Chloromethane	2.269	50	187497	54.111	ug/l	95
4) Vinyl Chloride	2.410	62	154383	58.073	ug/l	93
5) Bromomethane	2.793	94	66679	64.185	ug/l	99
6) Chloroethane	2.963	64	92817	59.348	ug/l	94
7) Trichlorofluoromethane	3.316	101	252217	49.989	ug/l	100
8) Diethyl Ether	3.769	74	125787	59.174	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.145	101	127064	44.390	ug/l	98
10) Methyl Iodide	4.351	142	206451	57.229	ug/l	97
11) Tert butyl alcohol	5.287	59	287408	275.637	ug/l	99
12) 1,1-Dichloroethene	4.110	96	156642	51.818	ug/l	96
13) Acrolein	3.987	56	85308	276.825	ug/l	98
14) Allyl chloride	4.757	41	330575	53.950	ug/l	93
15) Acrylonitrile	5.475	53	687059	303.641	ug/l	100
16) Acetone	4.222	43	609118	301.341	ug/l	95
17) Carbon Disulfide	4.457	76	402295	49.174	ug/l	100
18) Methyl Acetate	4.781	43	316902	54.996	ug/l	92
19) Methyl tert-butyl Ether	5.534	73	639822	57.853	ug/l	99
20) Methylene Chloride	5.010	84	207774	57.468	ug/l	94
21) trans-1,2-Dichloroethene	5.516	96	169615	53.035	ug/l	95
22) Diisopropyl ether	6.410	45	675238	59.609	ug/l	95
23) Vinyl Acetate	6.351	43	3104105	301.491	ug/l	94
24) 1,1-Dichloroethane	6.304	63	335436	56.558	ug/l	98
25) 2-Butanone	7.263	43	967450	300.504	ug/l	91
26) 2,2-Dichloropropane	7.251	77	199113	37.165	ug/l	100
27) cis-1,2-Dichloroethene	7.251	96	208687	53.830	ug/l	100
28) Bromochloromethane	7.580	49	148137	58.292	ug/l	90
29) Tetrahydrofuran	7.610	42	651674	305.329	ug/l	88
30) Chloroform	7.745	83	343410	56.111	ug/l	98
31) Cyclohexane	8.022	56	228175	42.498	ug/l	93
32) 1,1,1-Trichloroethane	7.939	97	293084	54.078	ug/l	98
36) 1,1-Dichloropropene	8.151	75	225090	48.634	ug/l	99
37) Ethyl Acetate	7.339	43	392478	58.595	ug/l	96
38) Carbon Tetrachloride	8.133	117	234267	47.013	ug/l	98
39) Methylcyclohexane	9.392	83	221925	38.633	ug/l	96
40) Benzene	8.386	78	774868	52.546	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	193326	55.440	ug/l #	85
42) 1,2-Dichloroethane	8.463	62	285356	53.665	ug/l	98
43) Isopropyl Acetate	8.492	43	586996	56.306	ug/l	94
44) Trichloroethene	9.145	130	190211	48.245	ug/l	100
45) 1,2-Dichloropropane	9.422	63	201202	54.072	ug/l	99
46) Dibromomethane	9.510	93	141005	54.606	ug/l	95
47) Bromodichloromethane	9.698	83	280619	53.650	ug/l	98
48) Methyl methacrylate	9.492	41	285200	59.894	ug/l	91
49) 1,4-Dioxane	9.504	88	104124	1032.313	ug/l #	96
51) 4-Methyl-2-Pentanone	10.269	43	1893063	280.709	ug/l	92
52) Toluene	10.439	92	485630	50.888	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	299372	50.234	ug/l	98
54) cis-1,3-Dichloropropene	10.121	75	316165	51.099	ug/l	93
55) 1,1,2-Trichloroethane	10.833	97	209367	54.342	ug/l	99
56) Ethyl methacrylate	10.698	69	362416	55.392	ug/l	89
57) 1,3-Dichloropropane	10.980	76	356886	54.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.974	63	673689	291.291	ug/l	98
59) 2-Hexanone	11.021	43	1428405	285.243	ug/l	91
60) Dibromochloromethane	11.174	129	220288	53.292	ug/l	99
61) 1,2-Dibromoethane	11.280	107	221992	52.943	ug/l	99
64) Tetrachloroethene	10.910	164	166291	45.689	ug/l	97
65) Chlorobenzene	11.704	112	503300	50.388	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.774	131	202551	52.451	ug/l	98
67) Ethyl Benzene	11.780	91	864816	48.991	ug/l	99
68) m/p-Xylenes	11.886	106	643994	95.014	ug/l	96
69) o-Xylene	12.215	106	342374	49.234	ug/l	99
70) Styrene	12.227	104	548735	50.978	ug/l	99
71) Bromoform	12.392	173	163150	52.287	ug/l #	98
73) Isopropylbenzene	12.515	105	799004	45.836	ug/l	99
74) N-amyl acetate	12.327	43	435988	58.170	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.762	83	313261	54.962	ug/l	99
76) 1,2,3-Trichloropropane	12.815	75	285478m	52.544	ug/l	
77) Bromobenzene	12.792	156	204108	50.103	ug/l	92
78) n-propylbenzene	12.857	91	844737	46.466	ug/l	98
79) 2-Chlorotoluene	12.939	91	574865	48.670	ug/l	97
80) 1,3,5-Trimethylbenzene	12.992	105	649043	46.462	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.562	75	91836	48.143	ug/l	96
82) 4-Chlorotoluene	13.039	91	529720	48.507	ug/l	98
83) tert-Butylbenzene	13.257	119	550495	44.027	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	645943	48.097	ug/l	98
85) sec-Butylbenzene	13.433	105	725147	44.734	ug/l	100
86) p-Isopropyltoluene	13.551	119	590438	45.130	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	322677	48.607	ug/l	100
88) 1,4-Dichlorobenzene	13.627	146	318282	47.545	ug/l	99
89) n-Butylbenzene	13.874	91	454972	45.244	ug/l	99
90) Hexachloroethane	14.145	117	121170	42.837	ug/l	91
91) 1,2-Dichlorobenzene	13.921	146	331725	49.427	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.539	75	65881	55.098	ug/l	96
93) 1,2,4-Trichlorobenzene	15.192	180	164110	48.931	ug/l	97
94) Hexachlorobutadiene	15.292	225	63467	38.229	ug/l	99
95) Naphthalene	15.427	128	629345	54.344	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	173319	52.038	ug/l	98

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

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