

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075933.D
 Acq On : 21 Dec 2022 20:40
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/22/2022
 Supervised By : Mahesh Dadoda 12/22/2022

Quant Time: Dec 22 03:07:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	304078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	488478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	444188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	224897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	175427	53.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.060%			
35) Dibromofluoromethane	8.177	113	162234	53.630	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.260%			
50) Toluene-d8	10.571	98	606931	53.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.320%			
62) 4-Bromofluorobenzene	12.853	95	212077	56.612	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	100692	46.637	ug/l	99
3) Chloromethane	2.377	50	117677	43.832	ug/l	98
4) Vinyl Chloride	2.530	62	156132	48.753	ug/l	98
5) Bromomethane	2.948	94	123637	45.426	ug/l	95
6) Chloroethane	3.124	64	111545	47.034	ug/l	97
7) Trichlorofluoromethane	3.506	101	242088	49.818	ug/l	99
8) Diethyl Ether	3.971	74	95518	53.816	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.383	101	143577	51.742	ug/l	97
10) Methyl Iodide	4.600	142	226638	50.327	ug/l	100
11) Tert butyl alcohol	5.536	59	122613	261.943	ug/l	99
12) 1,1-Dichloroethene	4.353	96	135915	50.432	ug/l	98
13) Acrolein	4.189	56	183707	320.123	ug/l	97
14) Allyl chloride	5.036	41	158747	50.389	ug/l	88
15) Acrylonitrile	5.730	53	339926	266.110	ug/l	100
16) Acetone	4.442	43	258014	226.256	ug/l	99
17) Carbon Disulfide	4.724	76	291590	44.687	ug/l	97
18) Methyl Acetate	5.042	43	177414	52.632	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	493331	55.587	ug/l	97
20) Methylene Chloride	5.289	84	159064	52.170	ug/l	97
21) trans-1,2-Dichloroethene	5.795	96	148659	50.368	ug/l	100
22) Diisopropyl ether	6.683	45	416692	54.447	ug/l	99
23) Vinyl Acetate	6.612	43	1409894	273.702	ug/l	99
24) 1,1-Dichloroethane	6.583	63	265858	52.087	ug/l	98
25) 2-Butanone	7.494	43	421156	263.764	ug/l	98
26) 2,2-Dichloropropane	7.500	77	222884	51.565	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	187859	53.219	ug/l	99
28) Bromochloromethane	7.824	49	104384	46.660	ug/l	99
29) Tetrahydrofuran	7.841	42	277122	276.951	ug/l	99
30) Chloroform	7.971	83	295817	51.476	ug/l	96
31) Cyclohexane	8.265	56	220274	46.493	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	272221	53.431	ug/l	97
36) 1,1-Dichloropropene	8.377	75	211268	52.574	ug/l	99
37) Ethyl Acetate	7.571	43	175655	54.419	ug/l	97
38) Carbon Tetrachloride	8.365	117	235950	52.461	ug/l	99
39) Methylcyclohexane	9.606	83	265599	54.785	ug/l	100
40) Benzene	8.612	78	645625	52.073	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	93251	55.579	ug/l	96
42) 1,2-Dichloroethane	8.677	62	218407	52.986	ug/l	99
43) Isopropyl Acetate	8.694	43	301451	56.615	ug/l	99
44) Trichloroethene	9.353	130	174106	49.846	ug/l	97
45) 1,2-Dichloropropane	9.624	63	156904	52.005	ug/l	98
46) Dibromomethane	9.712	93	115761	51.730	ug/l	98
47) Bromodichloromethane	9.888	83	236169	53.817	ug/l	99
48) Methyl methacrylate	9.682	41	137369	57.281	ug/l	97
49) 1,4-Dioxane	9.700	88	61565	1044.238	ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	921320	286.117	ug/l	100
52) Toluene	10.635	92	435061	53.879	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	241876	56.306	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	264183	56.012	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	169603	53.513	ug/l	99
56) Ethyl methacrylate	10.877	69	245814	58.390	ug/l	98
57) 1,3-Dichloropropane	11.165	76	274809	52.860	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	399353	297.950	ug/l	99
59) 2-Hexanone	11.200	43	667742	284.351	ug/l	99
60) Dibromochloromethane	11.359	129	190719	54.109	ug/l	98
61) 1,2-Dibromoethane	11.476	107	174265	54.333	ug/l	100
64) Tetrachloroethene	11.106	164	155489	49.746	ug/l	98
65) Chlorobenzene	11.894	112	468535	51.392	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	179442	53.139	ug/l	99
67) Ethyl Benzene	11.965	91	835546	54.302	ug/l	98
68) m/p-Xylenes	12.076	106	662904	108.849	ug/l	100
69) o-Xylene	12.400	106	336013	55.753	ug/l	98
70) Styrene	12.412	104	546852	57.067	ug/l	100
71) Bromoform	12.582	173	139028	56.580	ug/l #	99
73) Isopropylbenzene	12.700	105	866429	53.312	ug/l	100
74) N-amyl acetate	12.500	43	275012	57.681	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	250698	49.899	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	218822m	48.269	ug/l	
77) Bromobenzene	12.982	156	207248	50.389	ug/l	99
78) n-propylbenzene	13.041	91	987849	55.110	ug/l	99
79) 2-Chlorotoluene	13.129	91	578321	51.685	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	735439	54.068	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	68860	54.675	ug/l	100
82) 4-Chlorotoluene	13.129	91	578321	51.685	ug/l	100
83) tert-Butylbenzene	13.441	119	681874	56.857	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	743922	55.130	ug/l	99
85) sec-Butylbenzene	13.623	105	935458	56.514	ug/l	99
86) p-Isopropyltoluene	13.735	119	789649	57.332	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	396103	52.136	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	396560	51.094	ug/l	99
89) n-Butylbenzene	14.059	91	640745	57.424	ug/l	100
90) Hexachloroethane	14.335	117	135678	55.069	ug/l	100
91) 1,2-Dichlorobenzene	14.112	146	390805	52.222	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	43131	48.381	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	197398	53.280	ug/l	99
94) Hexachlorobutadiene	15.506	225	102543	50.730	ug/l	98
95) Naphthalene	15.647	128	608362	49.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	195311	56.402	ug/l	100

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

