

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032323\
 Data File : VN077162.D
 Acq On : 23 Mar 2023 20:21
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 03/24/2023
 Supervised By :Mahesh Dadoda 03/24/2023

Quant Time: Mar 24 01:37:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	364197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	636883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	576640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	282472	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	304546	52.351	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.700%	
35) Dibromofluoromethane	8.172	113	231106	51.815	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.640%	
50) Toluene-d8	10.572	98	852946	53.536	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.080%	
62) 4-Bromofluorobenzene	12.854	95	303649	53.935	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.860%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	98077	27.984	ug/l	98
3) Chloromethane	2.372	50	203408	55.433	ug/l	100
4) Vinyl Chloride	2.525	62	279428	70.548	ug/l	97
5) Bromomethane	2.949	94	152925	57.160	ug/l	96
6) Chloroethane	3.125	64	311847	124.427	ug/l	94
7) Trichlorofluoromethane	3.502	101	387867	45.520	ug/l	97
8) Diethyl Ether	3.972	74	135041	42.111	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.378	101	198865	41.144	ug/l	97
10) Methyl Iodide	4.601	142	133185	24.465	ug/l	95
11) Tert butyl alcohol	5.537	59	212576	250.769	ug/l	100
12) 1,1-Dichloroethene	4.349	96	184858	41.808	ug/l	88
13) Acrolein	4.190	56	239032	227.979	ug/l	98
14) Allyl chloride	5.037	41	373346	46.122	ug/l	96
15) Acrylonitrile	5.737	53	664650	233.228	ug/l	96
16) Acetone	4.443	43	578628	223.227	ug/l	95
17) Carbon Disulfide	4.719	76	469999	36.454	ug/l	99
18) Methyl Acetate	5.037	43	469401	48.023	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	719245	45.324	ug/l	99
20) Methylene Chloride	5.284	84	233007	41.419	ug/l	99
21) trans-1,2-Dichloroethene	5.801	96	198882	41.498	ug/l	98
22) Diisopropyl ether	6.684	45	812174	45.794	ug/l	96
23) Vinyl Acetate	6.613	43	2671570	238.710	ug/l	98
24) 1,1-Dichloroethane	6.578	63	436218	42.983	ug/l	99
25) 2-Butanone	7.490	43	938934	247.617	ug/l	96
26) 2,2-Dichloropropane	7.495	77	303826	39.788	ug/l	99
27) cis-1,2-Dichloroethene	7.490	96	246655	44.937	ug/l	99
28) Bromochloromethane	7.819	49	209329	47.496	ug/l	100
29) Tetrahydrofuran	7.848	42	627464	255.361	ug/l	97
30) Chloroform	7.972	83	438155	44.482	ug/l	98
31) Cyclohexane	8.260	56	367496	38.610	ug/l	99
32) 1,1,1-Trichloroethane	8.178	97	377333	44.820	ug/l	95
36) 1,1-Dichloropropene	8.378	75	311487	44.713	ug/l	99
37) Ethyl Acetate	7.566	43	375327	50.355	ug/l	95
38) Carbon Tetrachloride	8.372	117	316963	46.712	ug/l	99
39) Methylcyclohexane	9.607	83	373949	45.860	ug/l	94
40) Benzene	8.613	78	958691	45.377	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.790	41	208932	52.033	ug/l	98
42) 1,2-Dichloroethane	8.678	62	361328	47.328	ug/l	99
43) Isopropyl Acetate	8.695	43	601635	51.671	ug/l	98
44) Trichloroethene	9.360	130	216746	44.663	ug/l	99
45) 1,2-Dichloropropane	9.625	63	254025	45.270	ug/l	99
46) Dibromomethane	9.713	93	168039	47.483	ug/l	94
47) Bromodichloromethane	9.895	83	342789	46.184	ug/l	99
48) Methyl methacrylate	9.683	41	293301	52.691	ug/l	93
49) 1,4-Dioxane	9.701	88	101418	1066.725	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	1975086	272.396	ug/l	96
52) Toluene	10.636	92	596479	47.285	ug/l	98
53) t-1,3-Dichloropropene	10.842	75	351951	48.381	ug/l	99
54) cis-1,3-Dichloropropene	10.319	75	382822	46.641	ug/l	94
55) 1,1,2-Trichloroethane	11.019	97	236769	47.598	ug/l	97
56) Ethyl methacrylate	10.878	69	370996	49.598	ug/l #	92
57) 1,3-Dichloropropane	11.166	76	423263	46.475	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.166	63	683315	214.276	ug/l	99
59) 2-Hexanone	11.201	43	1423420	270.659	ug/l	95
60) Dibromochloromethane	11.360	129	251502	50.333	ug/l	100
61) 1,2-Dibromoethane	11.472	107	233511	47.338	ug/l	99
64) Tetrachloroethene	11.107	164	184845	47.763	ug/l	96
65) Chlorobenzene	11.895	112	621083	46.811	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.966	131	232546	47.368	ug/l	99
67) Ethyl Benzene	11.966	91	1156521	47.990	ug/l	98
68) m/p-Xylenes	12.077	106	882476	98.737	ug/l	96
69) o-Xylene	12.401	106	428201	48.217	ug/l	99
70) Styrene	12.413	104	715964	51.783	ug/l	99
71) Bromoform	12.583	173	175306	52.697	ug/l #	98
73) Isopropylbenzene	12.701	105	1131746	44.708	ug/l	100
74) N-amyl acetate	12.495	43	519896	47.449	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.942	83	381950	41.647	ug/l	99
76) 1,2,3-Trichloropropane	13.001	75	331873m	45.421	ug/l	
77) Bromobenzene	12.983	156	250367	44.151	ug/l	91
78) n-propylbenzene	13.042	91	1338333	45.798	ug/l	99
79) 2-Chlorotoluene	13.130	91	793137	42.595	ug/l	96
80) 1,3,5-Trimethylbenzene	13.177	105	964580	45.639	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.742	75	120510	45.399	ug/l	94
82) 4-Chlorotoluene	13.224	91	768935	43.426	ug/l	97
83) tert-Butylbenzene	13.442	119	819801	46.199	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	965020	45.755	ug/l	100
85) sec-Butylbenzene	13.619	105	1199686	47.526	ug/l	98
86) p-Isopropyltoluene	13.736	119	978222	48.257	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	476006	44.414	ug/l	97
88) 1,4-Dichlorobenzene	13.819	146	478050	44.831	ug/l	97
89) n-Butylbenzene	14.060	91	828917	46.612	ug/l	98
90) Hexachloroethane	14.336	117	175814	42.659	ug/l	97
91) 1,2-Dichlorobenzene	14.113	146	479542	44.888	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	72040	42.392	ug/l	94
93) 1,2,4-Trichlorobenzene	15.395	180	222665	46.106	ug/l	98
94) Hexachlorobutadiene	15.507	225	122658	46.118	ug/l	99
95) Naphthalene	15.642	128	765372	41.134	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	224186	46.263	ug/l	98

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

