

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121423\
 Data File : VN080477.D
 Acq On : 14 Dec 2023 11:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/15/2023
 Supervised By : Mahesh Dadoda 12/15/2023

Quant Time: Dec 15 00:23:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	280206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	432277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	388525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	183151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	188396	52.641	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.280%			
35) Dibromofluoromethane	8.171	113	141794	51.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.460%			
50) Toluene-d8	10.565	98	522743	51.140	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.280%			
62) 4-Bromofluorobenzene	12.853	95	192886	49.694	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.380%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	184758	51.597	ug/l	99
3) Chloromethane	2.359	50	169584	44.772	ug/l	99
4) Vinyl Chloride	2.518	62	142543	46.612	ug/l	97
5) Bromomethane	2.953	94	65455	47.475	ug/l	98
6) Chloroethane	3.124	64	86793	44.169	ug/l	100
7) Trichlorofluoromethane	3.500	101	318615	51.369	ug/l	95
8) Diethyl Ether	3.959	74	95665	48.967	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	147486	50.168	ug/l	94
10) Methyl Iodide	4.589	142	111935	43.287	ug/l #	87
11) Tert butyl alcohol	5.506	59	97200	230.609	ug/l	98
12) 1,1-Dichloroethene	4.342	96	143580	47.665	ug/l	91
13) Acrolein	4.171	56	104085	225.491	ug/l	96
14) Allyl chloride	5.024	41	176457	47.347	ug/l	95
15) Acrylonitrile	5.712	53	281028	235.970	ug/l	99
16) Acetone	4.424	43	178375	281.094	ug/l	94
17) Carbon Disulfide	4.712	76	397841	46.603	ug/l	99
18) Methyl Acetate	5.012	43	200056	48.996	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	503727	50.122	ug/l	99
20) Methylene Chloride	5.271	84	163070	48.018	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	157803	48.314	ug/l #	84
22) Diisopropyl ether	6.665	45	397867	49.463	ug/l	94
23) Vinyl Acetate	6.600	43	1105321	239.254	ug/l	94
24) 1,1-Dichloroethane	6.565	63	280710	50.018	ug/l	97
25) 2-Butanone	7.477	43	303020	247.878	ug/l	96
26) 2,2-Dichloropropane	7.488	77	290505	50.622	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	178592	48.306	ug/l	88
28) Bromochloromethane	7.812	49	106680	49.509	ug/l	99
29) Tetrahydrofuran	7.830	42	201070	229.695	ug/l	94
30) Chloroform	7.965	83	319816	51.338	ug/l	92
31) Cyclohexane	8.253	56	215505	44.280	ug/l	92
32) 1,1,1-Trichloroethane	8.171	97	317038	51.979	ug/l	99
36) 1,1-Dichloropropene	8.371	75	231512	51.661	ug/l	96
37) Ethyl Acetate	7.553	43	133882	47.708	ug/l	97
38) Carbon Tetrachloride	8.359	117	285021	53.228	ug/l	99
39) Methylcyclohexane	9.600	83	224290	48.178	ug/l #	90
40) Benzene	8.606	78	644055	49.770	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	75433	46.626	ug/l	96
42) 1,2-Dichloroethane	8.671	62	255981	53.417	ug/l	98
43) Isopropyl Acetate	8.688	43	244241	48.405	ug/l	97
44) Trichloroethene	9.353	130	173312	49.679	ug/l	99
45) 1,2-Dichloropropane	9.624	63	151361	49.800	ug/l	96
46) Dibromomethane	9.706	93	110577	50.661	ug/l #	88
47) Bromodichloromethane	9.888	83	254589	54.424	ug/l	96
48) Methyl methacrylate	9.682	41	147510	48.989	ug/l	91
49) 1,4-Dioxane	9.688	88	41449	908.179	ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	672304	241.932	ug/l	100
52) Toluene	10.629	92	420785	51.472	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	265007	52.360	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	278088	51.405	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	149994	50.991	ug/l	100
56) Ethyl methacrylate	10.876	69	165127	50.704	ug/l	92
57) 1,3-Dichloropropane	11.165	76	262845	50.973	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	493336	239.953	ug/l	99
59) 2-Hexanone	11.194	43	486073	236.934	ug/l	100
60) Dibromochloromethane	11.359	129	187348	53.748	ug/l	99
61) 1,2-Dibromoethane	11.471	107	153210	50.324	ug/l	97
64) Tetrachloroethene	11.106	164	145626	48.546	ug/l	98
65) Chlorobenzene	11.894	112	426802	49.382	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	174465	51.445	ug/l	93
67) Ethyl Benzene	11.965	91	799499	50.308	ug/l	96
68) m/p-Xylenes	12.071	106	593154	101.006	ug/l	88
69) o-Xylene	12.400	106	283032	49.275	ug/l	88
70) Styrene	12.412	104	425689	51.451	ug/l	93
71) Bromoform	12.576	173	118705	47.999	ug/l #	98
73) Isopropylbenzene	12.694	105	753719	51.228	ug/l	98
74) N-amyl acetate	12.494	43	199472	46.427	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	180516	45.787	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	168568m	46.135	ug/l	
77) Bromobenzene	12.982	156	178621	49.351	ug/l	96
78) n-propylbenzene	13.035	91	841449	51.871	ug/l	99
79) 2-Chlorotoluene	13.123	91	529894	50.034	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	646917	51.053	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	64030	46.011	ug/l	89
82) 4-Chlorotoluene	13.223	91	556445	51.116	ug/l	95
83) tert-Butylbenzene	13.441	119	523393	50.435	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	650570	51.608	ug/l	98
85) sec-Butylbenzene	13.617	105	664656	50.068	ug/l	100
86) p-Isopropyltoluene	13.729	119	608719	50.784	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	317330	49.762	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	311584	48.405	ug/l	96
89) n-Butylbenzene	14.059	91	507704	50.720	ug/l	100
90) Hexachloroethane	14.335	117	99386	52.210	ug/l	73
91) 1,2-Dichlorobenzene	14.106	146	298590	49.310	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	40955	49.386	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	178740	53.164	ug/l	99
94) Hexachlorobutadiene	15.500	225	92510	48.333	ug/l	99
95) Naphthalene	15.641	128	515554	50.499	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	165547	51.026	ug/l	99

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

