

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085617.D
 Acq On : 03 Feb 2025 12:56
 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 02/04/2025
 Supervised By : Mahesh Dadoda 02/04/2025

Quant Time: Feb 04 00:57:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	193909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	331362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139495	44.566	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.140%		
35) Dibromofluoromethane	8.159	113	114784	49.931	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.860%		
50) Toluene-d8	10.565	98	429609	52.598	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.200%		
62) 4-Bromofluorobenzene	12.847	95	145023	51.906	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.820%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	98099	37.364	ug/l	98
3) Chloromethane	2.359	50	97800	34.404	ug/l	99
4) Vinyl Chloride	2.512	62	123341	43.167	ug/l	98
5) Bromomethane	2.948	94	80016	46.361	ug/l	98
6) Chloroethane	3.118	64	89522	49.419	ug/l	97
7) Trichlorofluoromethane	3.495	101	198260	47.821	ug/l	98
8) Diethyl Ether	3.959	74	62830	43.869	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.365	101	108838	46.609	ug/l	97
10) Methyl Iodide	4.583	142	124678	46.624	ug/l	94
11) Tert butyl alcohol	5.518	59	95405	266.185	ug/l	99
12) 1,1-Dichloroethene	4.342	96	94603	45.458	ug/l	89
13) Acrolein	4.177	56	82470	168.557	ug/l	99
14) Allyl chloride	5.024	41	123509	36.574	ug/l #	94
15) Acrylonitrile	5.712	53	263353	231.327	ug/l	98
16) Acetone	4.418	43	204618	202.320	ug/l	93
17) Carbon Disulfide	4.712	76	223300	34.849	ug/l	100
18) Methyl Acetate	5.018	43	139501	45.361	ug/l	92
19) Methyl tert-butyl Ether	5.794	73	335538	49.654	ug/l	97
20) Methylene Chloride	5.271	84	116799	46.650	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	102531	46.100	ug/l	91
22) Diisopropyl ether	6.671	45	334765	44.663	ug/l	96
23) Vinyl Acetate	6.594	43	1130671	215.551	ug/l	96
24) 1,1-Dichloroethane	6.565	63	212538	46.504	ug/l	99
25) 2-Butanone	7.477	43	325763	218.881	ug/l	91
26) 2,2-Dichloropropane	7.488	77	174244	47.156	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	132413	50.547	ug/l	91
28) Bromochloromethane	7.806	49	91622	43.090	ug/l	88
29) Tetrahydrofuran	7.835	42	210490	223.073	ug/l	88
30) Chloroform	7.965	83	228697	48.416	ug/l	99
31) Cyclohexane	8.253	56	152259	38.329	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	193335	46.661	ug/l	96
36) 1,1-Dichloropropene	8.365	75	146021	45.259	ug/l	98
37) Ethyl Acetate	7.559	43	132656	40.735	ug/l	95
38) Carbon Tetrachloride	8.359	117	169547	45.902	ug/l	99
39) Methylcyclohexane	9.600	83	141262	46.593	ug/l	95
40) Benzene	8.600	78	471269	48.614	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	72917	43.037	ug/l	92
42) 1,2-Dichloroethane	8.665	62	165668	45.375	ug/l	98
43) Isopropyl Acetate	8.682	43	233249	44.700	ug/l	97
44) Trichloroethene	9.347	130	108885	48.252	ug/l	96
45) 1,2-Dichloropropane	9.618	63	119741	48.357	ug/l	100
46) Dibromomethane	9.706	93	84871	47.501	ug/l	96
47) Bromodichloromethane	9.882	83	183920	50.527	ug/l	99
48) Methyl methacrylate	9.677	41	106379	45.301	ug/l	91
49) 1,4-Dioxane	9.688	88	40950	1035.537	ug/l	92
51) 4-Methyl-2-Pentanone	10.441	43	708536	233.994	ug/l	94
52) Toluene	10.629	92	300704	53.534	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	174396	50.697	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	187791	51.107	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	119203	53.625	ug/l	97
56) Ethyl methacrylate	10.871	69	170732	45.764	ug/l	91
57) 1,3-Dichloropropane	11.159	76	201421	52.111	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	340114	241.104	ug/l	97
59) 2-Hexanone	11.194	43	508614	238.718	ug/l	91
60) Dibromochloromethane	11.353	129	141685	52.795	ug/l	100
61) 1,2-Dibromoethane	11.465	107	112834	50.994	ug/l	100
64) Tetrachloroethene	11.100	164	99530	48.451	ug/l	97
65) Chlorobenzene	11.888	112	331849	50.273	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	119985	49.526	ug/l	99
67) Ethyl Benzene	11.959	91	567591	52.793	ug/l	99
68) m/p-Xylenes	12.071	106	446120	112.274	ug/l	94
69) o-Xylene	12.394	106	213152	56.132	ug/l	93
70) Styrene	12.406	104	372069	59.204	ug/l	96
71) Bromoform	12.576	173	89849	51.832	ug/l #	99
73) Isopropylbenzene	12.694	105	533437	51.773	ug/l	98
74) N-amyl acetate	12.488	43	196603	42.452	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	173703	47.726	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	150787m	48.596	ug/l	
77) Bromobenzene	12.976	156	131464	48.837	ug/l	95
78) n-propylbenzene	13.035	91	646489	53.002	ug/l	99
79) 2-Chlorotoluene	13.123	91	385400	48.821	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	452745	53.197	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	64630	56.354	ug/l #	73
82) 4-Chlorotoluene	13.217	91	391197	49.770	ug/l	97
83) tert-Butylbenzene	13.435	119	377386	52.803	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	457878	53.980	ug/l	98
85) sec-Butylbenzene	13.612	105	540740	54.590	ug/l	99
86) p-Isopropyltoluene	13.723	119	448653	50.266	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	248411	50.109	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	247225	48.112	ug/l	97
89) n-Butylbenzene	14.053	91	375157	52.792	ug/l	99
90) Hexachloroethane	14.329	117	91155	48.339	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	240267	48.589	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29819	44.867	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	112114	48.782	ug/l	98
94) Hexachlorobutadiene	15.500	225	54586	44.736	ug/l	99
95) Naphthalene	15.641	128	343491	50.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	112671	48.450	ug/l	99

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

