

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
 Data File : VN085782.D
 Acq On : 19 Feb 2025 10:51
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/20/2025
 Supervised By : Mahesh Dadoda 02/20/2025

Quant Time: Feb 20 00:44:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	338951	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	542050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	475442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	234508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	218995	49.835	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.680%		
35) Dibromofluoromethane	8.159	113	187631	52.900	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.800%		
50) Toluene-d8	10.559	98	705762	54.690	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	109.380%		
62) 4-Bromofluorobenzene	12.841	95	241495	56.798	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	113.600%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.124	85	233633	50.675	ug/l	99
3) Chloromethane	2.360	50	219128	47.365	ug/l	98
4) Vinyl Chloride	2.518	62	236409	48.263	ug/l	100
5) Bromomethane	2.959	94	151185	48.269	ug/l	91
6) Chloroethane	3.124	64	148043	45.628	ug/l	99
7) Trichlorofluoromethane	3.501	101	347969	49.065	ug/l	99
8) Diethyl Ether	3.959	74	115104	50.161	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	207085	50.515	ug/l	99
10) Methyl Iodide	4.589	142	255381	50.538	ug/l	99
11) Tert butyl alcohol	5.500	59	121703	225.177	ug/l	100
12) 1,1-Dichloroethene	4.342	96	189384	50.950	ug/l	98
13) Acrolein	4.171	56	164497	205.238	ug/l	97
14) Allyl chloride	5.018	41	247476	50.710	ug/l	98
15) Acrylonitrile	5.706	53	418409	238.131	ug/l	99
16) Acetone	4.412	43	382246	274.906	ug/l	99
17) Carbon Disulfide	4.712	76	523425	47.514	ug/l	99
18) Methyl Acetate	5.012	43	214186	44.785	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	590636	53.473	ug/l	95
20) Methylene Chloride	5.271	84	212867	47.605	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	201430	50.327	ug/l	95
22) Diisopropyl ether	6.665	45	590936	53.588	ug/l	98
23) Vinyl Acetate	6.595	43	1973940	261.433	ug/l	99
24) 1,1-Dichloroethane	6.559	63	370904	49.478	ug/l	99
25) 2-Butanone	7.471	43	522422	255.385	ug/l	97
26) 2,2-Dichloropropane	7.483	77	336386	50.464	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	238225	51.333	ug/l	100
28) Bromochloromethane	7.806	49	179247	58.177	ug/l	98
29) Tetrahydrofuran	7.830	42	329843	249.701	ug/l	100
30) Chloroform	7.959	83	384871	49.129	ug/l	99
31) Cyclohexane	8.253	56	302945	48.266	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	347439	49.863	ug/l	99
36) 1,1-Dichloropropene	8.365	75	270378	53.862	ug/l	99
37) Ethyl Acetate	7.553	43	204009	49.384	ug/l	100
38) Carbon Tetrachloride	8.353	117	308070	51.650	ug/l	98
39) Methylcyclohexane	9.594	83	293698	59.556	ug/l	99
40) Benzene	8.600	78	843620	52.435	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	115379	52.247	ug/l	96
42) 1,2-Dichloroethane	8.665	62	269061	51.342	ug/l	100
43) Isopropyl Acetate	8.683	43	358728	49.475	ug/l	98
44) Trichloroethene	9.347	130	204423	51.748	ug/l	100
45) 1,2-Dichloropropane	9.612	63	205345	52.875	ug/l	98
46) Dibromomethane	9.700	93	139963	51.094	ug/l	100
47) Bromodichloromethane	9.883	83	303915	51.856	ug/l	98
48) Methyl methacrylate	9.671	41	168275	54.849	ug/l	100
49) 1,4-Dioxane	9.688	88	62004	1062.788	ug/l	96
51) 4-Methyl-2-Pentanone	10.435	43	1038482	260.736	ug/l	100
52) Toluene	10.624	92	528579	56.046	ug/l	100
53) t-1,3-Dichloropropene	10.830	75	301562	55.646	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	331906	55.852	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	192948	51.456	ug/l	98
56) Ethyl methacrylate	10.865	69	283390	52.271	ug/l	96
57) 1,3-Dichloropropane	11.159	76	326423	52.148	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	578323	268.736	ug/l	99
59) 2-Hexanone	11.188	43	762537	278.298	ug/l	99
60) Dibromochloromethane	11.353	129	235675	53.975	ug/l	99
61) 1,2-Dibromoethane	11.465	107	186097	52.526	ug/l	99
64) Tetrachloroethene	11.100	164	197369	53.585	ug/l	95
65) Chlorobenzene	11.888	112	566074	51.973	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.953	131	203016	51.858	ug/l	99
67) Ethyl Benzene	11.959	91	979695	57.422	ug/l	99
68) m/p-Xylenes	12.065	106	771390	119.029	ug/l	99
69) o-Xylene	12.394	106	360455	58.531	ug/l	100
70) Styrene	12.406	104	611865	53.048	ug/l	98
71) Bromoform	12.571	173	153417	52.740	ug/l #	98
73) Isopropylbenzene	12.688	105	919415	57.227	ug/l	100
74) N-amyl acetate	12.488	43	297533	52.516	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.929	83	248121	44.880	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	220059m	42.244	ug/l	
77) Bromobenzene	12.976	156	223481	51.487	ug/l	98
78) n-propylbenzene	13.029	91	1081269	58.766	ug/l	100
79) 2-Chlorotoluene	13.118	91	664931	54.088	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	780468	59.635	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	93397	52.313	ug/l	95
82) 4-Chlorotoluene	13.218	91	675694	55.443	ug/l	100
83) tert-Butylbenzene	13.435	119	658173	59.805	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	778821	60.149	ug/l	100
85) sec-Butylbenzene	13.612	105	922480	59.326	ug/l	100
86) p-Isopropyltoluene	13.723	119	777520	54.162	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	419991	51.645	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	416682	49.992	ug/l	99
89) n-Butylbenzene	14.053	91	658902	59.684	ug/l	99
90) Hexachloroethane	14.329	117	145854	49.529	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	399598	51.099	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	43877	43.220	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	196605	52.761	ug/l	99
94) Hexachlorobutadiene	15.494	225	105741	46.692	ug/l	99
95) Naphthalene	15.635	128	532789	52.080	ug/l	99
96) 1,2,3-Trichlorobenzene	15.829	180	187463	50.111	ug/l	99

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

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