

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022525\
 Data File : VN085847.D
 Acq On : 25 Feb 2025 10:45
 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 02/26/2025
 Supervised By : Mahesh Dadoda 02/26/2025

Quant Time: Feb 26 03:41:11 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	8.223	168	262718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	419879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	388712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	207967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	177239	52.037	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.080%			
35) Dibromofluoromethane	8.165	113	154386	56.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.380%			
50) Toluene-d8	10.565	98	566626	56.684	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 113.360%#			
62) 4-Bromofluorobenzene	12.847	95	201854	61.288	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 122.580%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	159835	44.728	ug/l	98
3) Chloromethane	2.359	50	153932	42.928	ug/l	98
4) Vinyl Chloride	2.512	62	166113	43.752	ug/l	98
5) Bromomethane	2.941	94	98084	40.402	ug/l	92
6) Chloroethane	3.112	64	105722	42.039	ug/l	98
7) Trichlorofluoromethane	3.494	101	241646	43.960	ug/l	97
8) Diethyl Ether	3.959	74	80261	45.126	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	148401	46.704	ug/l	97
10) Methyl Iodide	4.583	142	174011	44.427	ug/l	100
11) Tert butyl alcohol	5.518	59	119139	284.396	ug/l #	87
12) 1,1-Dichloroethene	4.336	96	128962	44.762	ug/l	97
13) Acrolein	4.177	56	151056	243.156	ug/l	96
14) Allyl chloride	5.018	41	162714	43.016	ug/l	97
15) Acrylonitrile	5.718	53	370582	272.112	ug/l	100
16) Acetone	4.424	43	272575	252.915	ug/l	96
17) Carbon Disulfide	4.712	76	348669	40.834	ug/l	98
18) Methyl Acetate	5.024	43	191592	51.685	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	418621	48.897	ug/l	99
20) Methylene Chloride	5.271	84	157268	45.376	ug/l	99
21) trans-1,2-Dichloroethene	5.782	96	139654	45.017	ug/l	94
22) Diisopropyl ether	6.671	45	424561	49.672	ug/l	97
23) Vinyl Acetate	6.600	43	1448528	247.515	ug/l	100
24) 1,1-Dichloroethane	6.571	63	267355	46.014	ug/l	99
25) 2-Butanone	7.482	43	438019	276.257	ug/l	100
26) 2,2-Dichloropropane	7.482	77	234167	45.323	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	163230	45.379	ug/l	98
28) Bromochloromethane	7.812	49	136179	57.024	ug/l	97
29) Tetrahydrofuran	7.835	42	303180	296.115	ug/l	99
30) Chloroform	7.965	83	285082	46.950	ug/l	99
31) Cyclohexane	8.253	56	201261	41.370	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	244012	45.182	ug/l	98
36) 1,1-Dichloropropene	8.371	75	186531	47.971	ug/l	99
37) Ethyl Acetate	7.559	43	181740	56.795	ug/l	99
38) Carbon Tetrachloride	8.359	117	220471	47.719	ug/l	95
39) Methylcyclohexane	9.600	83	175866	46.038	ug/l	97
40) Benzene	8.606	78	607989	48.785	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.776	41	89515	52.329	ug/l	94
42) 1,2-Dichloroethane	8.671	62	194526	47.920	ug/l	99
43) Isopropyl Acetate	8.688	43	282324	50.276	ug/l	98
44) Trichloroethene	9.347	130	137083	44.799	ug/l	98
45) 1,2-Dichloropropane	9.618	63	150940	50.175	ug/l	99
46) Dibromomethane	9.706	93	108020	50.907	ug/l	99
47) Bromodichloromethane	9.888	83	224517	49.456	ug/l	98
48) Methyl methacrylate	9.682	41	132409	55.716	ug/l	97
49) 1,4-Dioxane	9.694	88	55403	1225.957	ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	944594	306.170	ug/l	100
52) Toluene	10.629	92	380805	52.126	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	214580	51.116	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	233729	50.775	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	148614	51.165	ug/l	99
56) Ethyl methacrylate	10.870	69	215393	51.398	ug/l	98
57) 1,3-Dichloropropane	11.159	76	251539	51.877	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	594458	329.321	ug/l	99
59) 2-Hexanone	11.194	43	695855	327.856	ug/l	99
60) Dibromochloromethane	11.359	129	176267	52.116	ug/l	99
61) 1,2-Dibromoethane	11.470	107	144225	52.553	ug/l	98
64) Tetrachloroethene	11.100	164	130259	43.256	ug/l	97
65) Chlorobenzene	11.888	112	415060	46.611	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	153492	47.956	ug/l	99
67) Ethyl Benzene	11.964	91	697002	49.968	ug/l	100
68) m/p-Xylenes	12.070	106	565804	106.786	ug/l	98
69) o-Xylene	12.400	106	260682	51.775	ug/l	99
70) Styrene	12.406	104	464389	49.605	ug/l	100
71) Bromoform	12.576	173	124763	52.459	ug/l #	98
73) Isopropylbenzene	12.694	105	646774	45.395	ug/l	99
74) N-amyl acetate	12.494	43	247325	49.225	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	223621	45.611	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	187834m	40.660	ug/l	
77) Bromobenzene	12.982	156	171354	44.516	ug/l	95
78) n-propylbenzene	13.035	91	793863	48.652	ug/l	99
79) 2-Chlorotoluene	13.123	91	492367	45.163	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	570543	49.159	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	88348	55.800	ug/l	88
82) 4-Chlorotoluene	13.217	91	505722	46.792	ug/l	99
83) tert-Butylbenzene	13.435	119	450921	46.202	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	583795	50.841	ug/l	99
85) sec-Butylbenzene	13.617	105	651555	47.250	ug/l	99
86) p-Isopropyltoluene	13.729	119	547850	43.863	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	325569	45.144	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	320502	43.360	ug/l	99
89) n-Butylbenzene	14.053	91	440169	44.959	ug/l	98
90) Hexachloroethane	14.329	117	113955	43.635	ug/l	97
91) 1,2-Dichlorobenzene	14.105	146	312755	45.098	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40909	45.439	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	142134	43.011	ug/l	99
94) Hexachlorobutadiene	15.499	225	75850	37.768	ug/l	99
95) Naphthalene	15.641	128	419862	46.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	143174	43.157	ug/l	100

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

