

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022725\
 Data File : VN085894.D
 Acq On : 27 Feb 2025 16:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 28 02:03:40 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/28/2025
 Supervised By : Mahesh Dadoda 02/28/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	229571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	381125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	340825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	180502	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137418	46.171	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.340%		
35) Dibromofluoromethane	8.165	113	120090	48.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.300%		
50) Toluene-d8	10.565	98	456045	50.261	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.520%		
62) 4-Bromofluorobenzene	12.847	95	163992	54.855	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	109.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	130861	41.907	ug/l	99
3) Chloromethane	2.359	50	124569	39.755	ug/l	99
4) Vinyl Chloride	2.512	62	134217	40.455	ug/l	100
5) Bromomethane	2.942	94	79210	37.339	ug/l	99
6) Chloroethane	3.112	64	85947	39.111	ug/l	98
7) Trichlorofluoromethane	3.495	101	205570	42.797	ug/l	95
8) Diethyl Ether	3.959	74	75467	48.557	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	123338	44.421	ug/l	98
10) Methyl Iodide	4.589	142	154677	45.193	ug/l	100
11) Tert butyl alcohol	5.518	59	104591	285.717	ug/l	99
12) 1,1-Dichloroethene	4.342	96	112080	44.519	ug/l	94
13) Acrolein	4.177	56	126322	232.701	ug/l	95
14) Allyl chloride	5.024	41	149911	45.354	ug/l	95
15) Acrylonitrile	5.718	53	319949	268.854	ug/l	99
16) Acetone	4.430	43	226112	240.096	ug/l	99
17) Carbon Disulfide	4.712	76	285688	38.289	ug/l	98
18) Methyl Acetate	5.024	43	174520	53.878	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	388865	51.980	ug/l	98
20) Methylene Chloride	5.271	84	135832	44.850	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	119616	44.125	ug/l	99
22) Diisopropyl ether	6.671	45	374207	50.103	ug/l	96
23) Vinyl Acetate	6.600	43	1270461	248.432	ug/l	100
24) 1,1-Dichloroethane	6.565	63	235907	46.464	ug/l	99
25) 2-Butanone	7.482	43	369764	266.881	ug/l	97
26) 2,2-Dichloropropane	7.482	77	196848	43.601	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	147101	46.800	ug/l	99
28) Bromochloromethane	7.812	49	110835	53.113	ug/l	98
29) Tetrahydrofuran	7.835	42	254639	284.615	ug/l	99
30) Chloroform	7.965	83	245511	46.272	ug/l	98
31) Cyclohexane	8.253	56	173789	40.881	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	220113	46.641	ug/l	99
36) 1,1-Dichloropropene	8.371	75	160605	45.503	ug/l	99
37) Ethyl Acetate	7.559	43	152125	52.374	ug/l	99
38) Carbon Tetrachloride	8.359	117	194130	46.290	ug/l	97
39) Methylcyclohexane	9.600	83	155714	44.908	ug/l	97
40) Benzene	8.606	78	532913	47.109	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	84865	54.655	ug/l	97
42) 1,2-Dichloroethane	8.665	62	164830	44.733	ug/l	98
43) Isopropyl Acetate	8.688	43	292916	57.545	ug/l	96
44) Trichloroethene	9.353	130	118942	42.823	ug/l	96
45) 1,2-Dichloropropane	9.618	63	134163	49.133	ug/l	98
46) Dibromomethane	9.706	93	93729	48.663	ug/l	99
47) Bromodichloromethane	9.888	83	197535	47.937	ug/l	97
48) Methyl methacrylate	9.676	41	116432	53.975	ug/l	96
49) 1,4-Dioxane	9.694	88	53548	1305.395	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	796278	284.341	ug/l	97
52) Toluene	10.629	92	337476	50.892	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	194217	50.970	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	210204	50.308	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	130130	49.357	ug/l	98
56) Ethyl methacrylate	10.871	69	198774	52.159	ug/l	96
57) 1,3-Dichloropropane	11.159	76	222778	50.617	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	472525	299.729	ug/l	99
59) 2-Hexanone	11.194	43	587332	304.863	ug/l	97
60) Dibromochloromethane	11.359	129	160103	52.150	ug/l	98
61) 1,2-Dibromoethane	11.470	107	127870	51.331	ug/l	100
64) Tetrachloroethene	11.100	164	107548	40.732	ug/l	92
65) Chlorobenzene	11.888	112	366531	46.944	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	136041	48.476	ug/l	99
67) Ethyl Benzene	11.965	91	624034	51.023	ug/l	99
68) m/p-Xylenes	12.070	106	500046	107.635	ug/l	98
69) o-Xylene	12.394	106	236333	53.534	ug/l	99
70) Styrene	12.412	104	409351	49.845	ug/l	100
71) Bromoform	12.576	173	111416	53.429	ug/l #	99
73) Isopropylbenzene	12.694	105	584508	47.267	ug/l	99
74) N-amyl acetate	12.494	43	219910	50.429	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	200179	47.042	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	182026m	45.398	ug/l	
77) Bromobenzene	12.976	156	150289	44.984	ug/l	96
78) n-propylbenzene	13.035	91	686225	48.455	ug/l	99
79) 2-Chlorotoluene	13.123	91	434821	45.953	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	504669	50.099	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	67627	49.212	ug/l	92
82) 4-Chlorotoluene	13.217	91	446829	47.633	ug/l	100
83) tert-Butylbenzene	13.435	119	412424	48.687	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	519143	52.090	ug/l	100
85) sec-Butylbenzene	13.612	105	576560	48.173	ug/l	100
86) p-Isopropyltoluene	13.729	119	484497	44.628	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	284778	45.496	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	280485	43.720	ug/l	100
89) n-Butylbenzene	14.053	91	378494	44.542	ug/l	98
90) Hexachloroethane	14.329	117	98905	43.635	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	279311	46.404	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	37454	47.932	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	126838	44.223	ug/l	99
94) Hexachlorobutadiene	15.500	225	66710	38.271	ug/l	98
95) Naphthalene	15.641	128	399545	50.741	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	125362	43.537	ug/l	97

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

