

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022625\
 Data File : VN085862.D
 Acq On : 26 Feb 2025 10:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 27 02:26:26 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 02/27/2025
 Supervised By : Mahesh Dadoda 02/27/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	312343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	503422	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	446587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	218212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	199937	49.374	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.740%		
35) Dibromofluoromethane	8.165	113	171952	52.199	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.400%		
50) Toluene-d8	10.565	98	634293	52.923	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.840%		
62) 4-Bromofluorobenzene	12.847	95	221599	56.118	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	112.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	188214	44.301	ug/l	99
3) Chloromethane	2.360	50	174358	40.899	ug/l	98
4) Vinyl Chloride	2.512	62	196411	43.513	ug/l	99
5) Bromomethane	2.942	94	120879	41.881	ug/l	97
6) Chloroethane	3.112	64	126185	42.204	ug/l	96
7) Trichlorofluoromethane	3.495	101	298775	45.717	ug/l	100
8) Diethyl Ether	3.954	74	100035	47.308	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	176331	46.677	ug/l	98
10) Methyl Iodide	4.583	142	225173	48.356	ug/l	98
11) Tert butyl alcohol	5.518	59	140551	282.203	ug/l	100
12) 1,1-Dichloroethene	4.336	96	160535	46.868	ug/l	97
13) Acrolein	4.171	56	196306	265.790	ug/l	100
14) Allyl chloride	5.024	41	198507	44.141	ug/l	98
15) Acrylonitrile	5.712	53	418685	258.588	ug/l	99
16) Acetone	4.424	43	328581	256.442	ug/l	98
17) Carbon Disulfide	4.712	76	402059	39.606	ug/l	100
18) Methyl Acetate	5.024	43	225651	51.202	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	531646	52.233	ug/l	98
20) Methylene Chloride	5.271	84	185360	44.984	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	168803	45.768	ug/l	91
22) Diisopropyl ether	6.671	45	503092	49.509	ug/l	98
23) Vinyl Acetate	6.600	43	1749675	251.472	ug/l	98
24) 1,1-Dichloroethane	6.565	63	319388	46.236	ug/l	99
25) 2-Butanone	7.483	43	513951	272.647	ug/l	99
26) 2,2-Dichloropropane	7.483	77	289279	47.094	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	201613	47.145	ug/l	100
28) Bromochloromethane	7.812	49	128132	45.130	ug/l	97
29) Tetrahydrofuran	7.836	42	338346	277.958	ug/l	97
30) Chloroform	7.965	83	338948	46.953	ug/l	99
31) Cyclohexane	8.253	56	240788	41.631	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	302193	47.064	ug/l	98
36) 1,1-Dichloropropene	8.371	75	227474	48.792	ug/l	99
37) Ethyl Acetate	7.553	43	208875	54.442	ug/l	98
38) Carbon Tetrachloride	8.359	117	268978	48.556	ug/l	93
39) Methylcyclohexane	9.600	83	221479	48.357	ug/l	98
40) Benzene	8.600	78	716647	47.961	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	112517	54.860	ug/l	96
42) 1,2-Dichloroethane	8.665	62	237756	48.849	ug/l	98
43) Isopropyl Acetate	8.683	43	341121	50.669	ug/l	98
44) Trichloroethene	9.347	130	172862	47.117	ug/l	96
45) 1,2-Dichloropropane	9.618	63	175801	48.741	ug/l	97
46) Dibromomethane	9.706	93	126223	49.614	ug/l	97
47) Bromodichloromethane	9.883	83	267549	49.154	ug/l	100
48) Methyl methacrylate	9.677	41	157337	55.219	ug/l	95
49) 1,4-Dioxane	9.694	88	73078	1348.716	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	1089144	294.439	ug/l	100
52) Toluene	10.630	92	455712	52.028	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	263991	52.451	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	287047	52.010	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	178096	51.140	ug/l	99
56) Ethyl methacrylate	10.871	69	272613	53.925	ug/l	98
57) 1,3-Dichloropropane	11.159	76	300052	51.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	612478	295.691	ug/l	97
59) 2-Hexanone	11.194	43	783015	307.699	ug/l	98
60) Dibromochloromethane	11.359	129	218377	53.851	ug/l	100
61) 1,2-Dibromoethane	11.465	107	174844	53.137	ug/l	100
64) Tetrachloroethene	11.100	164	162731	47.036	ug/l	97
65) Chlorobenzene	11.888	112	495840	48.466	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	185207	50.366	ug/l	99
67) Ethyl Benzene	11.959	91	843152	52.612	ug/l	100
68) m/p-Xylenes	12.071	106	670511	110.148	ug/l	99
69) o-Xylene	12.394	106	318031	54.979	ug/l	99
70) Styrene	12.406	104	549551	50.949	ug/l	100
71) Bromoform	12.576	173	149603	54.751	ug/l #	98
73) Isopropylbenzene	12.694	105	786716	52.624	ug/l	99
74) N-amyl acetate	12.488	43	289414	54.898	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	254660	49.503	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	205022m	42.297	ug/l	
77) Bromobenzene	12.976	156	206974	51.245	ug/l	99
78) n-propylbenzene	13.035	91	916789	53.548	ug/l	99
79) 2-Chlorotoluene	13.124	91	578612	50.582	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	667463	54.809	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	92557	55.714	ug/l	93
82) 4-Chlorotoluene	13.218	91	579227	51.077	ug/l	98
83) tert-Butylbenzene	13.435	119	550124	53.720	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	675986	56.106	ug/l	100
85) sec-Butylbenzene	13.612	105	762762	52.717	ug/l	99
86) p-Isopropyltoluene	13.723	119	644100	48.701	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	368073	48.641	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	364956	47.056	ug/l	100
89) n-Butylbenzene	14.053	91	509133	49.562	ug/l	98
90) Hexachloroethane	14.329	117	130894	47.768	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	357290	49.101	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	47781	50.581	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	167941	48.435	ug/l	99
94) Hexachlorobutadiene	15.500	225	87668	41.603	ug/l	99
95) Naphthalene	15.641	128	516827	54.292	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	164036	47.124	ug/l	99

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

