

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012925\
 Data File : VN085548.D
 Acq On : 29 Jan 2025 11:08
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 30 00:29:17 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

Manual Integrations APPROVED

Reviewed By : John Carlone 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	190920	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314840	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149148	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	167442	54.332	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.660%
35) Dibromofluoromethane	8.165	113	121796	55.762	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.520%
50) Toluene-d8	10.565	98	443525	57.152	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	114.300%#
62) 4-Bromofluorobenzene	12.847	95	158301	59.631	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	119.260%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	111940	43.304	ug/l	99
3) Chloromethane	2.359	50	115154	41.143	ug/l	99
4) Vinyl Chloride	2.512	62	122379	43.501	ug/l	99
5) Bromomethane	2.948	94	72032	42.389	ug/l	100
6) Chloroethane	3.112	64	79983	44.845	ug/l	95
7) Trichlorofluoromethane	3.495	101	195725	47.949	ug/l	99
8) Diethyl Ether	3.959	74	64556	45.779	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	115688	50.319	ug/l	98
10) Methyl Iodide	4.589	142	124815	47.406	ug/l	99
11) Tert butyl alcohol	5.512	59	102889	291.560	ug/l	99
12) 1,1-Dichloroethene	4.342	96	97641	47.653	ug/l	98
13) Acrolein	4.177	56	107614	223.391	ug/l	97
14) Allyl chloride	5.024	41	154662	46.516	ug/l	98
15) Acrylonitrile	5.718	53	295011	263.192	ug/l	100
16) Acetone	4.424	43	251588	252.657	ug/l	99
17) Carbon Disulfide	4.712	76	247182	39.180	ug/l	98
18) Methyl Acetate	5.018	43	167018	55.159	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	352742	53.017	ug/l	99
20) Methylene Chloride	5.271	84	118086	47.903	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	103461	47.247	ug/l	99
22) Diisopropyl ether	6.665	45	389107	52.726	ug/l	98
23) Vinyl Acetate	6.600	43	1384915	268.154	ug/l	100
24) 1,1-Dichloroethane	6.565	63	224264	49.838	ug/l	98
25) 2-Butanone	7.483	43	384379	262.309	ug/l	99
26) 2,2-Dichloropropane	7.483	77	201856	55.483	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	130967	50.778	ug/l	100
28) Bromochloromethane	7.806	49	93940	44.872	ug/l	98
29) Tetrahydrofuran	7.835	42	255872	275.413	ug/l	100
30) Chloroform	7.965	83	235995	50.743	ug/l	97
31) Cyclohexane	8.253	56	171079	43.741	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	206001	50.496	ug/l	98
36) 1,1-Dichloropropene	8.365	75	152490	49.744	ug/l	99
37) Ethyl Acetate	7.553	43	156704	50.645	ug/l	98
38) Carbon Tetrachloride	8.359	117	178752	50.934	ug/l	98
39) Methylcyclohexane	9.600	83	146134	50.729	ug/l	98
40) Benzene	8.606	78	472467	51.295	ug/l	100

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41) Methacrylonitrile	7.771	41	87947	54.633	ug/l	100
42) 1,2-Dichloroethane	8.665	62	183786	52.978	ug/l	99
43) Isopropyl Acetate	8.682	43	265698	53.590	ug/l	100
44) Trichloroethene	9.347	130	106402	49.626	ug/l	93
45) 1,2-Dichloropropane	9.618	63	123931	52.676	ug/l	98
46) Dibromomethane	9.706	93	86251	50.807	ug/l	96
47) Bromodichloromethane	9.882	83	190286	55.019	ug/l	99
48) Methyl methacrylate	9.677	41	126123	56.527	ug/l	98
49) 1,4-Dioxane	9.688	88	42044	1118.996	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	841478	292.481	ug/l	100
52) Toluene	10.629	92	291059	54.537	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	180662	55.275	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	192761	55.213	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	115225	54.555	ug/l	97
56) Ethyl methacrylate	10.871	69	177132	49.794	ug/l	100
57) 1,3-Dichloropropane	11.159	76	200617	54.627	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	373597	278.738	ug/l	100
59) 2-Hexanone	11.194	43	602196	297.473	ug/l	99
60) Dibromochloromethane	11.359	129	140958	55.280	ug/l	100
61) 1,2-Dibromoethane	11.465	107	112734	53.622	ug/l	98
64) Tetrachloroethene	11.100	164	97060	49.798	ug/l	98
65) Chlorobenzene	11.888	112	317067	50.625	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	119011	51.774	ug/l	98
67) Ethyl Benzene	11.959	91	558184	54.719	ug/l	100
68) m/p-Xylenes	12.070	106	428359	113.620	ug/l	99
69) o-Xylene	12.394	106	201478	55.920	ug/l	100
70) Styrene	12.412	104	353248	59.242	ug/l	99
71) Bromoform	12.576	173	92365	56.158	ug/l #	99
73) Isopropylbenzene	12.694	105	520261	51.684	ug/l	100
74) N-amyl acetate	12.488	43	232634	51.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	171790	48.312	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	138709m	45.756	ug/l	
77) Bromobenzene	12.976	156	129223	49.135	ug/l	99
78) n-propylbenzene	13.035	91	634672	53.259	ug/l	99
79) 2-Chlorotoluene	13.123	91	384203	49.816	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	448974	53.997	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	60833	54.293	ug/l	96
82) 4-Chlorotoluene	13.217	91	395084	51.449	ug/l	99
83) tert-Butylbenzene	13.435	119	358511	51.344	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	455009	54.905	ug/l	99
85) sec-Butylbenzene	13.612	105	521784	53.917	ug/l	100
86) p-Isopropyltoluene	13.729	119	434224	49.847	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	244334	50.447	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	243977	48.599	ug/l	98
89) n-Butylbenzene	14.053	91	371878	53.564	ug/l	99
90) Hexachloroethane	14.335	117	87853	47.686	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	235437	48.734	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	32314	49.766	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	112668	50.178	ug/l	99
94) Hexachlorobutadiene	15.500	225	56387	47.301	ug/l	98
95) Naphthalene	15.641	128	334098	49.863	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	111153	48.924	ug/l	100

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

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