

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085716.D
 Acq On : 07 Feb 2025 23:06
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/10/2025
 Supervised By : Mahesh Dadoda 02/10/2025

Quant Time: Feb 08 00:45:36 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

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	211369	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	359666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	163913	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	163408	47.893	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.780%			
35) Dibromofluoromethane	8.159	113	132414	53.068	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.140%			
50) Toluene-d8	10.565	98	472426	53.289	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.580%			
62) 4-Bromofluorobenzene	12.847	95	165952	54.722	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	175501	61.324	ug/l	99
3) Chloromethane	2.359	50	175072	56.500	ug/l	97
4) Vinyl Chloride	2.512	62	184085	59.105	ug/l	98
5) Bromomethane	2.942	94	106570	56.646	ug/l	96
6) Chloroethane	3.112	64	115380	58.432	ug/l	99
7) Trichlorofluoromethane	3.495	101	250257	55.377	ug/l	98
8) Diethyl Ether	3.959	74	84213	53.941	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.365	101	138814	54.536	ug/l	99
10) Methyl Iodide	4.589	142	181877	62.396	ug/l	99
11) Tert butyl alcohol	5.512	59	105821	270.858	ug/l	100
12) 1,1-Dichloroethene	4.342	96	132068	58.219	ug/l	90
13) Acrolein	4.177	56	102588	192.355	ug/l	100
14) Allyl chloride	5.018	41	176801	48.030	ug/l	93
15) Acrylonitrile	5.712	53	345458	278.381	ug/l	99
16) Acetone	4.424	43	274935	249.391	ug/l	96
17) Carbon Disulfide	4.706	76	391207	56.010	ug/l	98
18) Methyl Acetate	5.018	43	173984	51.900	ug/l	95
19) Methyl tert-butyl Ether	5.794	73	429778	58.347	ug/l	99
20) Methylene Chloride	5.271	84	156873	57.481	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	142160	58.639	ug/l	99
22) Diisopropyl ether	6.671	45	434448	53.174	ug/l	97
23) Vinyl Acetate	6.600	43	1608958	281.395	ug/l	97
24) 1,1-Dichloroethane	6.565	63	272540	54.706	ug/l	99
25) 2-Butanone	7.477	43	431668	266.081	ug/l	94
26) 2,2-Dichloropropane	7.488	77	199748	49.592	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	163609	57.297	ug/l	93
28) Bromochloromethane	7.812	49	99190	42.796	ug/l	92
29) Tetrahydrofuran	7.835	42	289345	281.312	ug/l	93
30) Chloroform	7.965	83	282209	54.809	ug/l	99
31) Cyclohexane	8.253	56	214482	49.533	ug/l	93
32) 1,1,1-Trichloroethane	8.165	97	246426	54.561	ug/l	95
36) 1,1-Dichloropropene	8.371	75	193633	55.293	ug/l	99
37) Ethyl Acetate	7.553	43	180530	51.073	ug/l	98
38) Carbon Tetrachloride	8.359	117	219326	54.706	ug/l	99
39) Methylcyclohexane	9.600	83	184466	56.055	ug/l	97
40) Benzene	8.600	78	604456	57.446	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	95133	51.731	ug/l	93
42) 1,2-Dichloroethane	8.665	62	210124	53.022	ug/l	98
43) Isopropyl Acetate	8.682	43	346362	61.153	ug/l	97
44) Trichloroethene	9.347	130	135613	55.367	ug/l	97
45) 1,2-Dichloropropane	9.618	63	148182	55.134	ug/l	98
46) Dibromomethane	9.706	93	107462	55.412	ug/l	97
47) Bromodichloromethane	9.882	83	223183	56.488	ug/l	97
48) Methyl methacrylate	9.677	41	140020	54.934	ug/l	93
49) 1,4-Dioxane	9.688	88	50328	1172.532	ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	915575	278.573	ug/l	95
52) Toluene	10.624	92	371724	60.970	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	212449	56.899	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	227067	56.933	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	140596	58.271	ug/l	96
56) Ethyl methacrylate	10.871	69	212642	52.228	ug/l	92
57) 1,3-Dichloropropane	11.159	76	244392	58.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	499349	326.128	ug/l	99
59) 2-Hexanone	11.194	43	668105	288.898	ug/l	94
60) Dibromochloromethane	11.359	129	169051	58.035	ug/l	99
61) 1,2-Dibromoethane	11.465	107	138494	57.665	ug/l	100
64) Tetrachloroethene	11.100	164	115333	52.244	ug/l	98
65) Chlorobenzene	11.888	112	397614	56.051	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	144820	55.624	ug/l	99
67) Ethyl Benzene	11.959	91	691359	59.837	ug/l	98
68) m/p-Xylenes	12.065	106	535171	125.329	ug/l	99
69) o-Xylene	12.394	106	253754	62.182	ug/l	98
70) Styrene	12.406	104	436579	64.643	ug/l	98
71) Bromoform	12.576	173	111813	60.021	ug/l #	100
73) Isopropylbenzene	12.694	105	628467	56.809	ug/l	99
74) N-amyl acetate	12.488	43	258259	51.938	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	209999	53.738	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	162499m	48.775	ug/l	
77) Bromobenzene	12.976	156	156340	54.091	ug/l	98
78) n-propylbenzene	13.035	91	749518	57.231	ug/l	99
79) 2-Chlorotoluene	13.123	91	468050	55.221	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	539187	59.006	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	68327m	55.488	ug/l	
82) 4-Chlorotoluene	13.217	91	470726	55.777	ug/l	98
83) tert-Butylbenzene	13.435	119	431313	56.206	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	544289	59.763	ug/l	99
85) sec-Butylbenzene	13.612	105	605891	56.968	ug/l	100
86) p-Isopropyltoluene	13.723	119	503476	52.277	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	291562	54.776	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	288531	52.297	ug/l	98
89) n-Butylbenzene	14.053	91	409647	53.689	ug/l	99
90) Hexachloroethane	14.329	117	101925	50.341	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	281875	53.090	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	37548	52.618	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	128999	52.276	ug/l	99
94) Hexachlorobutadiene	15.500	225	61760	47.141	ug/l	98
95) Naphthalene	15.635	128	401209	54.486	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	125699	50.342	ug/l	98

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

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