

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020725\
 Data File : VN085692.D
 Acq On : 07 Feb 2025 12:28
 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 02/10/2025
 Supervised By : Mahesh Dadoda 02/10/2025

Quant Time: Feb 07 22:28:19 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	240139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	390555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	357102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	183220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	149845	38.656	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	77.320%		
35) Dibromofluoromethane	8.165	113	121174	44.722	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.440%		
50) Toluene-d8	10.565	98	441283	45.839	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.680%		
62) 4-Bromofluorobenzene	12.847	95	156363	47.482	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	193527	59.521	ug/l	100
3) Chloromethane	2.359	50	184250	52.338	ug/l	97
4) Vinyl Chloride	2.512	62	194995	55.107	ug/l	94
5) Bromomethane	2.936	94	111728	52.273	ug/l	94
6) Chloroethane	3.112	64	121757	54.274	ug/l	98
7) Trichlorofluoromethane	3.495	101	270765	52.737	ug/l	99
8) Diethyl Ether	3.959	74	86367	48.693	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	155732	53.853	ug/l	98
10) Methyl Iodide	4.583	142	195788	59.121	ug/l	95
11) Tert butyl alcohol	5.518	59	126445	284.872	ug/l	100
12) 1,1-Dichloroethene	4.342	96	140577	54.545	ug/l	89
13) Acrolein	4.177	56	97641	161.146	ug/l	99
14) Allyl chloride	5.018	41	187656	44.872	ug/l	96
15) Acrylonitrile	5.712	53	360798	255.910	ug/l	99
16) Acetone	4.424	43	289217	230.916	ug/l	96
17) Carbon Disulfide	4.712	76	423865	53.415	ug/l	99
18) Methyl Acetate	5.018	43	177662	46.648	ug/l	94
19) Methyl tert-butyl Ether	5.788	73	445210	53.200	ug/l	97
20) Methylene Chloride	5.271	84	164757	53.137	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	150847	54.767	ug/l	96
22) Diisopropyl ether	6.671	45	458010	49.342	ug/l	97
23) Vinyl Acetate	6.600	43	1658120	255.250	ug/l	96
24) 1,1-Dichloroethane	6.565	63	286659	50.647	ug/l	97
25) 2-Butanone	7.477	43	442138	239.884	ug/l	92
26) 2,2-Dichloropropane	7.482	77	239724	52.387	ug/l	98
27) cis-1,2-Dichloroethene	7.482	96	178788	55.111	ug/l	94
28) Bromochloromethane	7.812	49	114151	43.350	ug/l	89
29) Tetrahydrofuran	7.835	42	300717	257.341	ug/l	91
30) Chloroform	7.959	83	303105	51.815	ug/l	98
31) Cyclohexane	8.253	56	230640	46.883	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	265195	51.683	ug/l	96
36) 1,1-Dichloropropene	8.365	75	210747	55.420	ug/l	98
37) Ethyl Acetate	7.553	43	189318	49.323	ug/l	97
38) Carbon Tetrachloride	8.359	117	238495	54.783	ug/l	98
39) Methylcyclohexane	9.600	83	209643	58.667	ug/l	97
40) Benzene	8.600	78	654219	57.257	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	98286	49.219	ug/l	93
42) 1,2-Dichloroethane	8.665	62	223006	51.822	ug/l	98
43) Isopropyl Acetate	8.682	43	332386	54.044	ug/l	99
44) Trichloroethene	9.347	130	151079	56.803	ug/l	100
45) 1,2-Dichloropropane	9.618	63	159785	54.749	ug/l	99
46) Dibromomethane	9.706	93	114971	54.595	ug/l	95
47) Bromodichloromethane	9.888	83	237868	55.443	ug/l	100
48) Methyl methacrylate	9.676	41	145436	52.546	ug/l	93
49) 1,4-Dioxane	9.688	88	56652	1215.479	ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	963431	269.950	ug/l	94
52) Toluene	10.629	92	411748	62.194	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	231756	57.161	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	248389	57.354	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	153849	58.721	ug/l	99
56) Ethyl methacrylate	10.871	69	228159	51.630	ug/l	91
57) 1,3-Dichloropropane	11.159	76	261356	57.369	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	246258	148.112	ug/l	98
59) 2-Hexanone	11.194	43	694577	276.591	ug/l	92
60) Dibromochloromethane	11.359	129	183629	58.053	ug/l	99
61) 1,2-Dibromoethane	11.470	107	150526	57.717	ug/l	100
64) Tetrachloroethene	11.100	164	141892	58.284	ug/l	98
65) Chlorobenzene	11.888	112	438869	56.100	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	157533	54.867	ug/l	99
67) Ethyl Benzene	11.965	91	757847	59.478	ug/l	98
68) m/p-Xylenes	12.065	106	597610	126.907	ug/l	96
69) o-Xylene	12.394	106	275907	61.309	ug/l	97
70) Styrene	12.412	104	483655	64.939	ug/l	97
71) Bromoform	12.576	173	121709	59.244	ug/l #	100
73) Isopropylbenzene	12.694	105	692602	56.010	ug/l	99
74) N-amyl acetate	12.494	43	265232	47.719	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	219941	50.351	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	178231m	47.860	ug/l	
77) Bromobenzene	12.976	156	174398	53.981	ug/l	96
78) n-propylbenzene	13.035	91	836286	57.127	ug/l	99
79) 2-Chlorotoluene	13.123	91	508484	53.670	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	588356	57.602	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	75377	54.763	ug/l	86
82) 4-Chlorotoluene	13.217	91	518019	54.913	ug/l	97
83) tert-Butylbenzene	13.435	119	469696	54.758	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	604574	59.387	ug/l	98
85) sec-Butylbenzene	13.611	105	672324	56.553	ug/l	100
86) p-Isopropyltoluene	13.729	119	566642	52.594	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	324477	54.536	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	318943	51.717	ug/l	99
89) n-Butylbenzene	14.053	91	469704	55.073	ug/l	98
90) Hexachloroethane	14.329	117	113738	50.256	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	311023	52.407	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40650	50.962	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	144374	52.341	ug/l	99
94) Hexachlorobutadiene	15.500	225	74997	51.213	ug/l	100
95) Naphthalene	15.641	128	434902	52.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	142501	51.058	ug/l	99

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

