

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022425\
 Data File : VN085829.D
 Acq On : 24 Feb 2025 11:37
 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 02/25/2025
 Supervised By : Mahesh Dadoda 02/25/2025

Quant Time: Feb 25 01:49:49 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

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	270391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	444288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	401749	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	195044	55.639	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.280%			
35) Dibromofluoromethane	8.165	113	170583	58.676	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.360%			
50) Toluene-d8	10.565	98	634568	59.993	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 119.980%#			
62) 4-Bromofluorobenzene	12.847	95	220678	63.323	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 126.640%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	189227	51.450	ug/l	97
3) Chloromethane	2.359	50	178538	48.377	ug/l	99
4) Vinyl Chloride	2.512	62	194364	49.740	ug/l	99
5) Bromomethane	2.948	94	118119	47.274	ug/l	98
6) Chloroethane	3.118	64	124641	48.156	ug/l	94
7) Trichlorofluoromethane	3.495	101	285475	50.459	ug/l	100
8) Diethyl Ether	3.959	74	94914	51.850	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	173867	53.166	ug/l	97
10) Methyl Iodide	4.589	142	207114	51.378	ug/l	97
11) Tert butyl alcohol	5.512	59	125367	290.770	ug/l	100
12) 1,1-Dichloroethene	4.342	96	153800	51.868	ug/l	99
13) Acrolein	4.177	56	184907	289.200	ug/l	98
14) Allyl chloride	5.024	41	193524	49.710	ug/l	98
15) Acrylonitrile	5.718	53	408683	291.573	ug/l	99
16) Acetone	4.424	43	293349	264.466	ug/l	96
17) Carbon Disulfide	4.712	76	416649	47.411	ug/l	99
18) Methyl Acetate	5.018	43	209690	54.962	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	492246	55.865	ug/l	99
20) Methylene Chloride	5.271	84	181067	50.760	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	164073	51.388	ug/l	97
22) Diisopropyl ether	6.665	45	499088	56.735	ug/l	99
23) Vinyl Acetate	6.600	43	1697002	281.744	ug/l	98
24) 1,1-Dichloroethane	6.565	63	314583	52.606	ug/l	99
25) 2-Butanone	7.483	43	480626	294.527	ug/l	99
26) 2,2-Dichloropropane	7.488	77	274765	51.672	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	193487	52.265	ug/l	99
28) Bromochloromethane	7.812	49	134140	54.576	ug/l	97
29) Tetrahydrofuran	7.835	42	327656	310.939	ug/l	99
30) Chloroform	7.965	83	325765	52.128	ug/l	97
31) Cyclohexane	8.253	56	245063	48.945	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	287419	51.709	ug/l	97
36) 1,1-Dichloropropene	8.365	75	222336	54.037	ug/l	99
37) Ethyl Acetate	7.559	43	196298	57.974	ug/l	99
38) Carbon Tetrachloride	8.359	117	262305	53.654	ug/l	96
39) Methylcyclohexane	9.600	83	223189	55.217	ug/l	99
40) Benzene	8.606	78	716363	54.323	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	105615	58.349	ug/l	96
42) 1,2-Dichloroethane	8.665	62	225691	52.542	ug/l	99
43) Isopropyl Acetate	8.682	43	329566	55.521	ug/l	99
44) Trichloroethene	9.347	130	164046	50.665	ug/l	95
45) 1,2-Dichloropropane	9.618	63	175530	55.144	ug/l	95
46) Dibromomethane	9.706	93	123339	54.933	ug/l	100
47) Bromodichloromethane	9.882	83	257086	53.518	ug/l	100
48) Methyl methacrylate	9.677	41	150912	60.014	ug/l	96
49) 1,4-Dioxane	9.688	88	58943	1232.633	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	1035536	317.207	ug/l	99
52) Toluene	10.629	92	448464	58.015	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	251365	56.589	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	272160	55.876	ug/l	96
55) 1,1,2-Trichloroethane	11.012	97	171538	55.813	ug/l	99
56) Ethyl methacrylate	10.871	69	251054	55.991	ug/l	99
57) 1,3-Dichloropropane	11.159	76	291523	56.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	443855	255.958	ug/l	99
59) 2-Hexanone	11.194	43	751476	334.610	ug/l	98
60) Dibromochloromethane	11.353	129	204140	57.041	ug/l	100
61) 1,2-Dibromoethane	11.465	107	167175	57.568	ug/l	98
64) Tetrachloroethene	11.100	164	155718	50.032	ug/l	97
65) Chlorobenzene	11.888	112	477030	51.832	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	177191	53.564	ug/l	100
67) Ethyl Benzene	11.959	91	826725	57.345	ug/l	100
68) m/p-Xylenes	12.071	106	654939	119.597	ug/l	100
69) o-Xylene	12.394	106	305625	58.731	ug/l	100
70) Styrene	12.412	104	532745	54.496	ug/l	100
71) Bromoform	12.576	173	141096	57.401	ug/l #	97
73) Isopropylbenzene	12.694	105	770962	54.038	ug/l	100
74) N-amyl acetate	12.494	43	274861	54.632	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	248210	50.557	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	226972m	49.065	ug/l	
77) Bromobenzene	12.976	156	196411	50.956	ug/l	97
78) n-propylbenzene	13.035	91	924470	56.580	ug/l	100
79) 2-Chlorotoluene	13.123	91	568143	52.042	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	658723	56.679	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	89087	56.191	ug/l	98
82) 4-Chlorotoluene	13.217	91	579342	53.531	ug/l	100
83) tert-Butylbenzene	13.435	119	536211	54.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	671758	58.422	ug/l	100
85) sec-Butylbenzene	13.612	105	763617	55.301	ug/l	100
86) p-Isopropyltoluene	13.729	119	639122	50.471	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	366157	50.703	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	358924	48.492	ug/l	100
89) n-Butylbenzene	14.053	91	520397	53.081	ug/l	99
90) Hexachloroethane	14.329	117	129889	49.669	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	353920	50.964	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	45548	50.523	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	168238	50.842	ug/l	98
94) Hexachlorobutadiene	15.500	225	86598	43.061	ug/l	99
95) Naphthalene	15.641	128	491906	54.146	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	167060	50.288	ug/l	100

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

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