

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022025\
 Data File : VN085800.D
 Acq On : 20 Feb 2025 16:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/21/2025
 Supervised By : Mahesh Dadoda 02/21/2025

Quant Time: Feb 21 01:00:04 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	306507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	499044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	434677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	210523	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	164418	41.376	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	82.760%
35) Dibromofluoromethane	8.159	113	138794	42.503	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.000%
50) Toluene-d8	10.559	98	526990	44.356	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.720%
62) 4-Bromofluorobenzene	12.841	95	182663	46.663	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.320%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	199860	47.938	ug/l	98
3) Chloromethane	2.359	50	185248	44.280	ug/l	100
4) Vinyl Chloride	2.518	62	205250	46.337	ug/l	98
5) Bromomethane	2.965	94	128973	45.536	ug/l	96
6) Chloroethane	3.124	64	129305	44.071	ug/l	99
7) Trichlorofluoromethane	3.500	101	301141	46.956	ug/l	99
8) Diethyl Ether	3.959	74	101511	48.920	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	178509	48.153	ug/l	100
10) Methyl Iodide	4.589	142	224320	49.090	ug/l	99
11) Tert butyl alcohol	5.500	59	101019	206.691	ug/l	99
12) 1,1-Dichloroethene	4.342	96	165089	49.115	ug/l	97
13) Acrolein	4.171	56	174590	240.888	ug/l	96
14) Allyl chloride	5.018	41	217529	49.292	ug/l	97
15) Acrylonitrile	5.706	53	358052	225.350	ug/l	99
16) Acetone	4.412	43	309745	246.344	ug/l	99
17) Carbon Disulfide	4.706	76	441806	44.350	ug/l	98
18) Methyl Acetate	5.012	43	182111	42.109	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	515665	51.627	ug/l	100
20) Methylene Chloride	5.271	84	185379	45.846	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	172675	47.709	ug/l	94
22) Diisopropyl ether	6.659	45	521199	52.267	ug/l	97
23) Vinyl Acetate	6.594	43	1700960m	249.125	ug/l	
24) 1,1-Dichloroethane	6.559	63	321989	47.500	ug/l	98
25) 2-Butanone	7.471	43	430918	232.951	ug/l	98
26) 2,2-Dichloropropane	7.482	77	292280	48.489	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	207581	49.465	ug/l	99
28) Bromochloromethane	7.806	49	122748	44.057	ug/l	100
29) Tetrahydrofuran	7.824	42	278237	232.929	ug/l	100
30) Chloroform	7.959	83	332961	47.002	ug/l	97
31) Cyclohexane	8.247	56	261437	46.062	ug/l	98
32) 1,1,1-Trichloroethane	8.159	97	299993	47.611	ug/l	99
36) 1,1-Dichloropropene	8.365	75	236196	51.107	ug/l	100
37) Ethyl Acetate	7.547	43	170537	44.839	ug/l	98
38) Carbon Tetrachloride	8.353	117	264114	48.096	ug/l	96
39) Methylcyclohexane	9.594	83	250306	55.131	ug/l	96
40) Benzene	8.600	78	731150	49.360	ug/l	99

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41) Methacrylonitrile	7.765	41	98037	48.219	ug/l	96
42) 1,2-Dichloroethane	8.659	62	231016	47.881	ug/l	100
43) Isopropyl Acetate	8.677	43	313045	46.866	ug/l	99
44) Trichloroethene	9.347	130	178526	49.087	ug/l	96
45) 1,2-Dichloropropane	9.612	63	177458	49.632	ug/l	99
46) Dibromomethane	9.700	93	120777	47.890	ug/l	99
47) Bromodichloromethane	9.882	83	262428	48.636	ug/l	97
48) Methyl methacrylate	9.671	41	144235	51.065	ug/l	99
49) 1,4-Dioxane	9.688	88	48834	909.179	ug/l #	96
51) 4-Methyl-2-Pentanone	10.435	43	871741	237.734	ug/l	100
52) Toluene	10.623	92	459698	52.943	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	263768	52.866	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	289123	52.845	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	166595	48.257	ug/l	98
56) Ethyl methacrylate	10.865	69	244773	49.387	ug/l	97
57) 1,3-Dichloropropane	11.159	76	285659	49.568	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	560851	279.175	ug/l	99
59) 2-Hexanone	11.188	43	621486	246.366	ug/l	98
60) Dibromochloromethane	11.353	129	201065	50.017	ug/l	100
61) 1,2-Dibromoethane	11.465	107	163620	50.162	ug/l	97
64) Tetrachloroethene	11.094	164	176958	52.549	ug/l	96
65) Chlorobenzene	11.882	112	489890	49.197	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.953	131	174712	48.814	ug/l	100
67) Ethyl Benzene	11.959	91	854583	54.787	ug/l	100
68) m/p-Xylenes	12.065	106	661162	111.588	ug/l	99
69) o-Xylene	12.394	106	313750	55.725	ug/l	98
70) Styrene	12.406	104	534759	50.937	ug/l	99
71) Bromoform	12.570	173	131464	49.431	ug/l #	98
73) Isopropylbenzene	12.688	105	793440	55.013	ug/l	100
74) N-amyl acetate	12.488	43	249236	49.003	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	208844	42.080	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	187835m	40.166	ug/l	
77) Bromobenzene	12.976	156	196752	50.493	ug/l	98
78) n-propylbenzene	13.029	91	942087	57.035	ug/l	100
79) 2-Chlorotoluene	13.117	91	574860	52.089	ug/l	100
80) 1,3,5-Trimethylbenzene	13.164	105	666015	56.688	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	77041m	48.068	ug/l	
82) 4-Chlorotoluene	13.217	91	587248	53.675	ug/l	99
83) tert-Butylbenzene	13.429	119	557843	56.463	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	674556	58.032	ug/l	100
85) sec-Butylbenzene	13.611	105	795791	57.009	ug/l	100
86) p-Isopropyltoluene	13.723	119	657008	51.250	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	358861	49.156	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	359487	48.044	ug/l	100
89) n-Butylbenzene	14.053	91	559816	56.486	ug/l	98
90) Hexachloroethane	14.329	117	122631	46.387	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	343976	48.998	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	36275	39.803	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	170248	50.893	ug/l	100
94) Hexachlorobutadiene	15.494	225	86528	42.561	ug/l	100
95) Naphthalene	15.635	128	445015	48.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	160959	47.929	ug/l	99

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

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