

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010925\
 Data File : VN085401.D
 Acq On : 09 Jan 2025 11:45
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 10 00:32:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 28 01:36:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	178998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	308812	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	266196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121857	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	114200	44.731	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.460%
35) Dibromofluoromethane	8.159	113	89323	46.365	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.720%
50) Toluene-d8	10.559	98	321116	45.422	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.840%
62) 4-Bromofluorobenzene	12.841	95	108553	46.235	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.460%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	124248	51.324	ug/l	98
3) Chloromethane	2.359	50	126034	46.322	ug/l	97
4) Vinyl Chloride	2.518	62	130058	45.198	ug/l	99
5) Bromomethane	2.965	94	91945	48.857	ug/l	99
6) Chloroethane	3.124	64	81040	44.409	ug/l	96
7) Trichlorofluoromethane	3.500	101	189439	50.082	ug/l	100
8) Diethyl Ether	3.959	74	64592	51.573	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	110161	51.183	ug/l	98
10) Methyl Iodide	4.589	142	120442	48.356	ug/l	92
11) Tert butyl alcohol	5.542	59	64190	200.788	ug/l	100
12) 1,1-Dichloroethene	4.342	96	100056	50.301	ug/l	96
13) Acrolein	4.177	56	104192	209.045	ug/l	97
14) Allyl chloride	5.018	41	175519	55.134	ug/l	94
15) Acrylonitrile	5.712	53	233735	232.298	ug/l	99
16) Acetone	4.430	43	204959	244.143	ug/l	100
17) Carbon Disulfide	4.712	76	306829	50.705	ug/l	99
18) Methyl Acetate	5.018	43	121612	47.316	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	332699	51.459	ug/l	97
20) Methylene Chloride	5.277	84	115570	51.181	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	107060	51.524	ug/l	98
22) Diisopropyl ether	6.665	45	375026	54.667	ug/l	97
23) Vinyl Acetate	6.594	43	1336471	269.297	ug/l	99
24) 1,1-Dichloroethane	6.559	63	215894	52.243	ug/l	97
25) 2-Butanone	7.477	43	303415	232.966	ug/l	97
26) 2,2-Dichloropropane	7.483	77	193917	53.560	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	128450	52.669	ug/l	96
28) Bromochloromethane	7.806	49	96017	49.998	ug/l #	98
29) Tetrahydrofuran	7.830	42	196659	234.413	ug/l	98
30) Chloroform	7.959	83	214053	50.631	ug/l	100
31) Cyclohexane	8.253	56	186063	49.307	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	189200	50.110	ug/l	97
36) 1,1-Dichloropropene	8.365	75	155250	55.039	ug/l	99
37) Ethyl Acetate	7.553	43	128868	45.964	ug/l	99
38) Carbon Tetrachloride	8.359	117	171351	55.731	ug/l	98
39) Methylcyclohexane	9.594	83	174988	59.791	ug/l	98
40) Benzene	8.600	78	472706	55.427	ug/l	99

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Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	73584	51.247	ug/l	99
42) 1,2-Dichloroethane	8.665	62	161955	52.966	ug/l	100
43) Isopropyl Acetate	8.682	43	233418	50.562	ug/l	99
44) Trichloroethene	9.347	130	106610	52.800	ug/l	100
45) 1,2-Dichloropropane	9.618	63	118605	54.783	ug/l	98
46) Dibromomethane	9.706	93	77813	51.680	ug/l	98
47) Bromodichloromethane	9.882	83	170097	54.354	ug/l	98
48) Methyl methacrylate	9.677	41	106293	53.062	ug/l	98
49) 1,4-Dioxane	9.706	88	25729	851.288	ug/l #	84
51) 4-Methyl-2-Pentanone	10.441	43	639152	246.365	ug/l	99
52) Toluene	10.624	92	284498	56.025	ug/l	98
53) t-1,3-Dichloropropene	10.829	75	173411	56.347	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	185989	55.888	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	99682	51.993	ug/l	97
56) Ethyl methacrylate	10.871	69	158178	56.649	ug/l	99
57) 1,3-Dichloropropane	11.159	76	181446	53.922	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	358969	265.718	ug/l	99
59) 2-Hexanone	11.188	43	441368	245.210	ug/l	100
60) Dibromochloromethane	11.353	129	119065	55.137	ug/l	99
61) 1,2-Dibromoethane	11.465	107	99480	52.447	ug/l	99
64) Tetrachloroethene	11.100	164	93540	55.456	ug/l	97
65) Chlorobenzene	11.888	112	299648	52.090	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.953	131	103363	53.538	ug/l	100
67) Ethyl Benzene	11.959	91	536740	56.106	ug/l	99
68) m/p-Xylenes	12.065	106	408644	116.723	ug/l	98
69) o-Xylene	12.394	106	189434	55.934	ug/l	95
70) Styrene	12.406	104	320407	58.373	ug/l	99
71) Bromoform	12.576	173	70926	53.040	ug/l #	100
73) Isopropylbenzene	12.688	105	490945	56.026	ug/l	99
74) N-amyl acetate	12.488	43	191175	50.968	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	133498	47.834	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	118038m	51.873	ug/l	
77) Bromobenzene	12.976	156	110811	51.041	ug/l	97
78) n-propylbenzene	13.029	91	588024	57.568	ug/l	100
79) 2-Chlorotoluene	13.117	91	346041	53.829	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	404079	57.009	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	45652	48.045	ug/l	100
82) 4-Chlorotoluene	13.217	91	346959	53.589	ug/l	100
83) tert-Butylbenzene	13.435	119	339653	55.320	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	409993	58.091	ug/l	99
85) sec-Butylbenzene	13.612	105	486636	57.100	ug/l	99
86) p-Isopropyltoluene	13.723	119	402662	52.634	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	205987	52.338	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	205327	50.789	ug/l	99
89) n-Butylbenzene	14.053	91	359098	57.540	ug/l	100
90) Hexachloroethane	14.329	117	75054	53.726	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	197523	52.684	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	23936	48.190	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	102675	54.872	ug/l	98
94) Hexachlorobutadiene	15.494	225	47782	51.395	ug/l	98
95) Naphthalene	15.635	128	292512	46.101	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	98679	52.782	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

