

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086164.D
 Acq On : 28 Mar 2025 20:42
 Operator : JC\MD
 Sample : Q1664-06MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-01MSD

Quant Time: Mar 28 23:40:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/31/2025
 Supervised By : Mahesh Dadoda 03/31/2025

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	211032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	339619	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	165361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139967	48.436	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.880%		
35) Dibromofluoromethane	8.165	113	98177	41.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	82.840%		
50) Toluene-d8	10.565	98	445431	51.775	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.540%		
62) 4-Bromofluorobenzene	12.847	95	161458	52.623	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	127192	45.493	ug/l	98
3) Chloromethane	2.359	50	116321	47.458	ug/l	97
4) Vinyl Chloride	2.512	62	120703	48.164	ug/l	99
5) Bromomethane	2.948	94	74985	43.926	ug/l	98
6) Chloroethane	3.112	64	64005	40.484	ug/l	98
7) Trichlorofluoromethane	3.501	101	178447	39.610	ug/l	99
8) Diethyl Ether	3.959	74	72670	52.692	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	121188	50.614	ug/l	99
10) Methyl Iodide	4.589	142	158899	50.932	ug/l	99
11) Tert butyl alcohol	5.512	59	83937	205.156	ug/l	98
12) 1,1-Dichloroethene	4.336	96	115856	53.587	ug/l	97
13) Acrolein	4.177	56	90073	206.411	ug/l	98
14) Allyl chloride	5.018	41	135720	50.318	ug/l	98
15) Acrylonitrile	5.718	53	285641	264.353	ug/l	99
16) Acetone	4.424	43	253604	287.258	ug/l	98
17) Carbon Disulfide	4.712	76	312709	43.980	ug/l	100
18) Methyl Acetate	5.024	43	138411	63.366	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	371659	52.460	ug/l	98
20) Methylene Chloride	5.277	84	141769	54.892	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	122782	51.966	ug/l	98
22) Diisopropyl ether	6.671	45	303286	52.766	ug/l	99
23) Vinyl Acetate	6.671	43	165978	38.093	ug/l #	66
24) 1,1-Dichloroethane	6.565	63	221680	52.448	ug/l	99
25) 2-Butanone	7.483	43	340080	266.962	ug/l	96
26) 2,2-Dichloropropane	7.489	77	160675	39.486	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	145644	54.244	ug/l	98
28) Bromochloromethane	7.812	49	99124	55.354	ug/l	93
29) Tetrahydrofuran	7.836	42	221840	282.076	ug/l	94
30) Chloroform	7.965	83	241165	51.621	ug/l	100
31) Cyclohexane	8.253	56	186803	51.880	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	219727	49.686	ug/l	99
36) 1,1-Dichloropropene	8.371	75	163612	52.417	ug/l	99
37) Ethyl Acetate	7.559	43	120762	45.859	ug/l	98
38) Carbon Tetrachloride	8.359	117	202403	49.318	ug/l	99
39) Methylcyclohexane	9.600	83	166661	53.817	ug/l	96
40) Benzene	8.606	78	527165	53.800	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	75956	60.406	ug/l	92
42) 1,2-Dichloroethane	8.665	62	166260	48.695	ug/l	98
43) Isopropyl Acetate	8.683	43	225330	39.488	ug/l	99
44) Trichloroethene	9.347	130	187133	73.686	ug/l	97
45) 1,2-Dichloropropane	9.618	63	125905	56.494	ug/l	97
46) Dibromomethane	9.706	93	91354	52.122	ug/l	99
47) Bromodichloromethane	9.883	83	191064	52.160	ug/l	99
48) Methyl methacrylate	9.677	41	97891	51.987	ug/l	96
49) 1,4-Dioxane	9.694	88	46544	1045.620	ug/l #	91
51) 4-Methyl-2-Pentanone	10.441	43	713371	283.468	ug/l	97
52) Toluene	10.630	92	338846	56.343	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	186698	52.481	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	201114	53.583	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	125256	54.569	ug/l	98
56) Ethyl methacrylate	10.871	69	179897	50.201	ug/l	98
57) 1,3-Dichloropropane	11.159	76	213787	54.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	416791	293.456	ug/l	98
59) 2-Hexanone	11.194	43	536279	292.519	ug/l	97
60) Dibromochloromethane	11.353	129	155904	52.636	ug/l	98
61) 1,2-Dibromoethane	11.465	107	125166	53.116	ug/l	99
64) Tetrachloroethene	11.100	164	200899	80.742	ug/l	98
65) Chlorobenzene	11.888	112	362817	50.833	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	135988	51.254	ug/l	99
67) Ethyl Benzene	11.959	91	619894	54.295	ug/l	99
68) m/p-Xylenes	12.071	106	497659	110.900	ug/l	99
69) o-Xylene	12.394	106	235729	57.235	ug/l	97
70) Styrene	12.406	104	403513	57.360	ug/l	99
71) Bromoform	12.576	173	106894	48.194	ug/l #	99
73) Isopropylbenzene	12.694	105	581850	51.526	ug/l	99
74) N-amyl acetate	12.488	43	183222	48.497	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	67661	17.711	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	164661m	44.478	ug/l	
77) Bromobenzene	12.976	156	152223	48.344	ug/l	99
78) n-propylbenzene	13.035	91	688082	53.812	ug/l	99
79) 2-Chlorotoluene	13.123	91	439506	51.748	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	505392	53.010	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	66221	47.291	ug/l	96
82) 4-Chlorotoluene	13.218	91	441745	50.578	ug/l	98
83) tert-Butylbenzene	13.435	119	413107	50.663	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	515282	53.586	ug/l	99
85) sec-Butylbenzene	13.612	105	578990	54.431	ug/l	99
86) p-Isopropyltoluene	13.723	119	491467	54.580	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	285296	50.267	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	283074	47.471	ug/l	99
89) n-Butylbenzene	14.053	91	395798	53.978	ug/l	98
90) Hexachloroethane	14.329	117	95068	45.756	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	274237	48.605	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	33782	44.299	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	134893	47.549	ug/l	99
94) Hexachlorobutadiene	15.494	225	69127	41.999	ug/l	99
95) Naphthalene	15.635	128	397198	48.351	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	134358	49.911	ug/l	98

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

