

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
 Data File : VN085974.D
 Acq On : 13 Mar 2025 12:36
 Operator : JC\MD
 Sample : VN0313WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 00:27:58 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	8.224	168	142356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	227743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	205871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	103892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	90243	48.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.800%		
35) Dibromofluoromethane	8.165	113	72563	48.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.380%		
50) Toluene-d8	10.565	98	256395	47.288	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.580%		
62) 4-Bromofluorobenzene	12.847	95	90453	50.634	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	37669	19.454	ug/l	92
3) Chloromethane	2.359	50	32711	16.835	ug/l	98
4) Vinyl Chloride	2.512	62	31397	15.261	ug/l	100
5) Bromomethane	2.959	94	20678	15.719	ug/l	91
6) Chloroethane	3.124	64	19725	14.475	ug/l	96
7) Trichlorofluoromethane	3.501	101	55705	18.702	ug/l	97
8) Diethyl Ether	3.965	74	17369	18.022	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	31737	18.433	ug/l	99
10) Methyl Iodide	4.589	142	39101	18.424	ug/l	92
11) Tert butyl alcohol	5.518	59	22800	100.443	ug/l #	88
12) 1,1-Dichloroethene	4.336	96	27788	17.800	ug/l	96
13) Acrolein	4.177	56	25405	75.471	ug/l	94
14) Allyl chloride	5.024	41	34185	16.679	ug/l	97
15) Acrylonitrile	5.718	53	73629	99.776	ug/l	98
16) Acetone	4.424	43	57550	98.548	ug/l	97
17) Carbon Disulfide	4.712	76	84503	18.264	ug/l	99
18) Methyl Acetate	5.024	43	33247	16.552	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	90184	19.440	ug/l	99
20) Methylene Chloride	5.277	84	34195	18.208	ug/l	96
21) trans-1,2-Dichloroethene	5.795	96	28474	16.939	ug/l	89
22) Diisopropyl ether	6.671	45	85704	18.505	ug/l	95
23) Vinyl Acetate	6.606	43	292640	92.283	ug/l	100
24) 1,1-Dichloroethane	6.565	63	57401	18.232	ug/l	96
25) 2-Butanone	7.483	43	81605	94.984	ug/l	89
26) 2,2-Dichloropropane	7.489	77	50913	18.186	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	34481	17.691	ug/l	99
28) Bromochloromethane	7.812	49	28246	21.828	ug/l	99
29) Tetrahydrofuran	7.841	42	55689	100.379	ug/l	96
30) Chloroform	7.965	83	60649	18.433	ug/l	99
31) Cyclohexane	8.253	56	43890	16.650	ug/l #	92
32) 1,1,1-Trichloroethane	8.165	97	56269	19.228	ug/l	98
36) 1,1-Dichloropropene	8.371	75	39407	18.684	ug/l	98
37) Ethyl Acetate	7.559	43	36041	20.765	ug/l	99
38) Carbon Tetrachloride	8.359	117	50320	20.080	ug/l	94
39) Methylcyclohexane	9.600	83	34680	16.738	ug/l	92
40) Benzene	8.606	78	129918	19.219	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
 Data File : VN085974.D
 Acq On : 13 Mar 2025 12:36
 Operator : JC\MD
 Sample : VN0313WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/14/2025
 Supervised By : Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 00:27:58 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)
41) Methacrylonitrile	7.771	41	18088	19.495	ug/l	93
42) 1,2-Dichloroethane	8.665	62	46523	21.129	ug/l	98
43) Isopropyl Acetate	8.688	43	60470	19.519	ug/l	99
44) Trichloroethene	9.353	130	31157	18.772	ug/l	89
45) 1,2-Dichloropropane	9.618	63	31270	19.164	ug/l	91
46) Dibromomethane	9.706	93	23870	20.740	ug/l	99
47) Bromodichloromethane	9.883	83	48927	19.870	ug/l	99
48) Methyl methacrylate	9.677	41	25551	19.822	ug/l	95
49) 1,4-Dioxane	9.694	88	11086	452.268	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	176046	105.202	ug/l	99
52) Toluene	10.630	92	80641	20.351	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	46317	20.342	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	48936	19.600	ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	30743	19.514	ug/l	94
56) Ethyl methacrylate	10.871	69	40700	19.587	ug/l	97
57) 1,3-Dichloropropane	11.159	76	51885	19.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	69322	92.167	ug/l	98
59) 2-Hexanone	11.194	43	124319	107.989	ug/l	99
60) Dibromochloromethane	11.359	129	38212	20.829	ug/l	98
61) 1,2-Dibromoethane	11.471	107	30514	20.499	ug/l	99
64) Tetrachloroethene	11.100	164	30659	19.223	ug/l	97
65) Chlorobenzene	11.888	112	86588	18.360	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	33266	19.624	ug/l	98
67) Ethyl Benzene	11.965	91	136727	18.507	ug/l	99
68) m/p-Xylenes	12.071	106	108830	38.782	ug/l	99
69) o-Xylene	12.394	106	51667	19.376	ug/l	98
70) Styrene	12.412	104	85262	18.639	ug/l	98
71) Bromoform	12.576	173	26670	21.173	ug/l #	99
73) Isopropylbenzene	12.694	105	125493	17.631	ug/l	99
74) N-amyl acetate	12.494	43	43483	17.324	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	43936	17.939	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	37972m	16.454	ug/l	
77) Bromobenzene	12.976	156	35043	18.223	ug/l	96
78) n-propylbenzene	13.035	91	146824	18.012	ug/l	98
79) 2-Chlorotoluene	13.124	91	95859	17.601	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	109914	18.957	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	14232	17.994	ug/l	97
82) 4-Chlorotoluene	13.218	91	98729	18.286	ug/l	99
83) tert-Butylbenzene	13.435	119	88203	18.091	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	108683	18.947	ug/l	100
85) sec-Butylbenzene	13.612	105	120535	17.497	ug/l	99
86) p-Isopropyltoluene	13.729	119	100122	17.150	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	62145	17.249	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	64642	17.506	ug/l	99
89) n-Butylbenzene	14.053	91	78134	15.975	ug/l	98
90) Hexachloroethane	14.329	117	22187	17.006	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	61749	17.824	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8699	19.342	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	27260	16.513	ug/l	98
94) Hexachlorobutadiene	15.500	225	15609	15.558	ug/l	98
95) Naphthalene	15.641	128	74257	16.384	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	27063	16.329	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031325\
Data File : VN085974.D
Acq On : 13 Mar 2025 12:36
Operator : JC\MD
Sample : VN0313WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/14/2025
Supervised By :Mahesh Dadoda 03/17/2025

Quant Time: Mar 14 00:27:58 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)
----------	------	------	----------	------	-------	----------

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

