

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080055.D
 Acq On : 13 Nov 2023 10:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 14 19:21:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	219326	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	350740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	321175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	157954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	194755	58.284	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.560%
35) Dibromofluoromethane	8.165	113	149655	60.287	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	120.580%
50) Toluene-d8	10.565	98	539635	59.050	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	118.100%#
62) 4-Bromofluorobenzene	12.847	95	206094	67.999	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	136.000%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	183193	69.343	ug/l	99
3) Chloromethane	2.359	50	143420	43.332	ug/l	99
4) Vinyl Chloride	2.518	62	138392	40.019	ug/l	99
5) Bromomethane	2.953	94	78673	37.443	ug/l	90
6) Chloroethane	3.124	64	87422	31.994	ug/l	99
7) Trichlorofluoromethane	3.501	101	273453	63.577	ug/l	94
8) Diethyl Ether	3.959	74	90183	55.252	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.365	101	139743	56.046	ug/l	98
10) Methyl Iodide	4.595	142	156625	55.007	ug/l	92
11) Tert butyl alcohol	5.512	59	89246	209.224	ug/l	99
12) 1,1-Dichloroethene	4.342	96	126948	53.773	ug/l	89
13) Acrolein	4.177	56	95129	295.399	ug/l	97
14) Allyl chloride	5.024	41	181630	50.231	ug/l	97
15) Acrylonitrile	5.712	53	324090	243.805	ug/l	99
16) Acetone	4.424	43	319754	272.424	ug/l	99
17) Carbon Disulfide	4.712	76	310674	45.622	ug/l	98
18) Methyl Acetate	5.024	43	252377	44.943	ug/l	90
19) Methyl tert-butyl Ether	5.794	73	489152	60.182	ug/l	99
20) Methylene Chloride	5.277	84	153861	51.951	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	139701	53.058	ug/l #	83
22) Diisopropyl ether	6.671	45	444962	53.101	ug/l	93
23) Vinyl Acetate	6.600	43	1141825	247.035	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	286345	56.222	ug/l	98
25) 2-Butanone	7.483	43	408749	237.815	ug/l #	87
26) 2,2-Dichloropropane	7.488	77	267892	63.600	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	171521	54.460	ug/l	86
28) Bromochloromethane	7.812	49	129740	52.271	ug/l	85
29) Tetrahydrofuran	7.835	42	242548	216.899	ug/l	86
30) Chloroform	7.965	83	315539	57.036	ug/l	96
31) Cyclohexane	8.259	56	212481	48.122	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	286288	63.511	ug/l	96
36) 1,1-Dichloropropene	8.371	75	216936	61.205	ug/l	95
37) Ethyl Acetate	7.559	43	151694	46.665	ug/l #	94
38) Carbon Tetrachloride	8.359	117	261008	73.067	ug/l	95
39) Methylcyclohexane	9.606	83	196283	58.844	ug/l #	86
40) Benzene	8.606	78	619836	58.386	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080055.D
 Acq On : 13 Nov 2023 10:28
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 14 19:21:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	92236	53.434	ug/l	92
42) 1,2-Dichloroethane	8.671	62	244692	65.985	ug/l	95
43) Isopropyl Acetate	8.688	43	270554	47.460	ug/l	97
44) Trichloroethene	9.353	130	154750	58.744	ug/l	95
45) 1,2-Dichloropropane	9.624	63	161323	59.463	ug/l	98
46) Dibromomethane	9.712	93	110085	59.426	ug/l	93
47) Bromodichloromethane	9.888	83	250786	63.478	ug/l	97
48) Methyl methacrylate	9.682	41	132583	53.097	ug/l	86
49) 1,4-Dioxane	9.694	88	46265	1048.584	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	811980	252.997	ug/l	97
52) Toluene	10.629	92	399046	63.404	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	259099	66.899	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	276008	65.382	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	155437	61.403	ug/l	98
56) Ethyl methacrylate	10.876	69	226426	62.708	ug/l	89
57) 1,3-Dichloropropane	11.165	76	275347	61.709	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	499825	273.114	ug/l	94
59) 2-Hexanone	11.194	43	629922	256.564	ug/l	95
60) Dibromochloromethane	11.359	129	185294	68.383	ug/l	99
61) 1,2-Dibromoethane	11.471	107	150059	59.060	ug/l	99
64) Tetrachloroethene	11.106	164	151479	72.823	ug/l	100
65) Chlorobenzene	11.894	112	417256	59.891	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	168921	67.296	ug/l	95
67) Ethyl Benzene	11.965	91	769138	63.365	ug/l	96
68) m/p-Xylenes	12.071	106	576034	127.395	ug/l	88
69) o-Xylene	12.400	106	283243	65.052	ug/l	91
70) Styrene	12.412	104	474421	67.799	ug/l	94
71) Bromoform	12.576	173	123348	69.204	ug/l #	99
73) Isopropylbenzene	12.694	105	737112	61.489	ug/l	99
74) N-amyl acetate	12.494	43	227137	43.409	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	203285	47.828	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	191032m	51.515	ug/l	
77) Bromobenzene	12.982	156	175089	59.657	ug/l	98
78) n-propylbenzene	13.035	91	849479	61.880	ug/l	99
79) 2-Chlorotoluene	13.129	91	546115	62.273	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	636037	68.194	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	66928	49.105	ug/l #	78
82) 4-Chlorotoluene	13.223	91	546122	62.668	ug/l	97
83) tert-Butylbenzene	13.441	119	502696	65.845	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	627284	68.359	ug/l	98
85) sec-Butylbenzene	13.617	105	697447	65.938	ug/l	99
86) p-Isopropyltoluene	13.729	119	593906	68.869	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	320977	58.789	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	320713	57.871	ug/l	99
89) n-Butylbenzene	14.059	91	493240	66.407	ug/l	99
90) Hexachloroethane	14.335	117	107127	62.726	ug/l	79
91) 1,2-Dichlorobenzene	14.106	146	310011	60.149	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	42794	59.371	ug/l	91
93) 1,2,4-Trichlorobenzene	15.394	180	162295	66.224	ug/l	96
94) Hexachlorobutadiene	15.506	225	83819	75.447	ug/l	97
95) Naphthalene	15.641	128	454390	54.674	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	151334	62.997	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
Data File : VN080055.D
Acq On : 13 Nov 2023 10:28
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 14 19:21:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration

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

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

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\  
Data File : VN080055.D  
Acq On    : 13 Nov 2023  10:28  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 3      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Quant Time: Nov 14 19:21:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration

