

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077541.D
 Acq On : 01 May 2023 12:41
 Operator : JC\MD
 Sample : VN0501WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:00:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	643414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1218275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1112274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	437673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	369357	43.993	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.980%		
35) Dibromofluoromethane	8.172	113	319201	43.593	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.180%		
50) Toluene-d8	10.566	98	1269063	45.221	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.440%		
62) 4-Bromofluorobenzene	12.854	95	421035	45.856	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	125704	15.519	ug/l	98
3) Chloromethane	2.372	50	98129	15.215	ug/l	98
4) Vinyl Chloride	2.525	62	134218	15.622	ug/l	100
5) Bromomethane	2.954	94	117713	15.816	ug/l	95
6) Chloroethane	3.131	64	92777	14.213	ug/l	96
7) Trichlorofluoromethane	3.501	101	210327	16.655	ug/l	95
8) Diethyl Ether	3.972	74	74407	16.215	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.384	101	121782	16.582	ug/l	99
10) Methyl Iodide	4.596	142	134607	14.918	ug/l	96
11) Tert butyl alcohol	5.531	59	104344	77.417	ug/l #	87
12) 1,1-Dichloroethene	4.348	96	114240	15.910	ug/l	95
13) Acrolein	4.190	56	116422	86.830	ug/l	99
14) Allyl chloride	5.037	41	115642	14.486	ug/l	88
15) Acrylonitrile	5.731	53	255314	83.501	ug/l	99
16) Acetone	4.431	43	224377	84.003	ug/l	100
17) Carbon Disulfide	4.725	76	253266	13.881	ug/l	98
18) Methyl Acetate	5.031	43	173064	16.778	ug/l	96
19) Methyl tert-butyl Ether	5.801	73	393598	16.483	ug/l	95
20) Methylene Chloride	5.284	84	138322	16.330	ug/l	99
21) trans-1,2-Dichloroethene	5.790	96	121098	15.597	ug/l	93
22) Diisopropyl ether	6.678	45	293031	15.994	ug/l	97
23) Vinyl Acetate	6.613	43	877519	76.692	ug/l	100
24) 1,1-Dichloroethane	6.578	63	213817	16.487	ug/l	99
25) 2-Butanone	7.489	43	313750	82.818	ug/l	99
26) 2,2-Dichloropropane	7.495	77	206704	16.437	ug/l	97
27) cis-1,2-Dichloroethene	7.489	96	150126	16.326	ug/l	98
28) Bromochloromethane	7.813	49	79629	16.078	ug/l	94
29) Tetrahydrofuran	7.842	42	191568	80.706	ug/l	98
30) Chloroform	7.972	83	250664	17.150	ug/l	96
31) Cyclohexane	8.254	56	175411	14.749	ug/l	94
32) 1,1,1-Trichloroethane	8.178	97	229042	17.045	ug/l	96
36) 1,1-Dichloropropene	8.378	75	173800	16.429	ug/l	99
37) Ethyl Acetate	7.572	43	125654	15.631	ug/l	97
38) Carbon Tetrachloride	8.366	117	198067	16.970	ug/l	95
39) Methylcyclohexane	9.601	83	221061	15.861	ug/l	98
40) Benzene	8.613	78	540824	16.782	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077541.D
 Acq On : 01 May 2023 12:41
 Operator : JC\MD
 Sample : VN0501WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0501WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:00:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	66958	15.993	ug/l	96
42) 1,2-Dichloroethane	8.678	62	182049	16.447	ug/l	99
43) Isopropyl Acetate	8.695	43	220729	15.872	ug/l	96
44) Trichloroethene	9.354	130	138572	16.794	ug/l	99
45) 1,2-Dichloropropane	9.625	63	126332	16.735	ug/l	98
46) Dibromomethane	9.713	93	100512	16.409	ug/l	94
47) Bromodichloromethane	9.895	83	200904	16.956	ug/l	98
48) Methyl methacrylate	9.683	41	96559	15.254	ug/l	97
49) 1,4-Dioxane	9.701	88	51666	325.386	ug/l	94
51) 4-Methyl-2-Pentanone	10.448	43	655604	80.374	ug/l	98
52) Toluene	10.630	92	363503	17.218	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	196605	16.387	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	215769	16.522	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	147960	17.428	ug/l	98
56) Ethyl methacrylate	10.877	69	195738	16.454	ug/l	95
57) 1,3-Dichloropropane	11.166	76	232494	17.193	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.160	63	323306	80.352	ug/l	99
59) 2-Hexanone	11.195	43	488220	82.342	ug/l	99
60) Dibromochloromethane	11.360	129	149295	16.945	ug/l	99
61) 1,2-Dibromoethane	11.472	107	147025	16.963	ug/l	98
64) Tetrachloroethene	11.107	164	110237	16.557	ug/l	95
65) Chlorobenzene	11.895	112	380338	16.159	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	141938	16.575	ug/l	100
67) Ethyl Benzene	11.966	91	689821	16.649	ug/l	98
68) m/p-Xylenes	12.072	106	525939	32.660	ug/l	98
69) o-Xylene	12.401	106	263050	16.607	ug/l	100
70) Styrene	12.413	104	417903	16.871	ug/l	100
71) Bromoform	12.583	173	92546	16.519	ug/l #	97
73) Isopropylbenzene	12.695	105	683345	16.825	ug/l	99
74) N-amyl acetate	12.495	43	173683	14.445	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.942	83	204869	16.054	ug/l	97
76) 1,2,3-Trichloropropane	12.995	75	214451m	21.071	ug/l	
77) Bromobenzene	12.983	156	144792	16.358	ug/l	100
78) n-propylbenzene	13.036	91	739268	16.462	ug/l	99
79) 2-Chlorotoluene	13.130	91	456599	16.491	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	519606	17.228	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	58471	16.231	ug/l	94
82) 4-Chlorotoluene	13.224	91	429208	16.590	ug/l	99
83) tert-Butylbenzene	13.442	119	484888	16.554	ug/l	100
84) 1,2,4-Trimethylbenzene	13.489	105	466745	16.570	ug/l	100
85) sec-Butylbenzene	13.618	105	663512	16.504	ug/l	99
86) p-Isopropyltoluene	13.730	119	514339	16.627	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	252900	16.066	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	249593	16.058	ug/l	98
89) n-Butylbenzene	14.060	91	379498	15.853	ug/l	100
90) Hexachloroethane	14.336	117	103309	15.117	ug/l	100
91) 1,2-Dichlorobenzene	14.107	146	254150	16.278	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	35658	15.111	ug/l	97
93) 1,2,4-Trichlorobenzene	15.395	180	55288	15.563	ug/l	98
94) Hexachlorobutadiene	15.501	225	50806	16.103	ug/l	94
95) Naphthalene	15.648	128	192453	14.979	ug/l	99
96) 1,2,3-Trichlorobenzene	15.848	180	49997	15.050	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
Data File : VN077541.D
Acq On : 01 May 2023 12:41
Operator : JC\MD
Sample : VN0501WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0501WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/02/2023
Supervised By :Mahesh Dadoda 05/03/2023

Quant Time: May 01 22:00:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:50:59 2023
Response via : Initial Calibration

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

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

Manual Integrations

Reviewed By :John Carlone 05/02/2023
Supervised By :Mahesh Dadoda 05/03/2023

[illegible]