

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080400.D
 Acq On : 06 Dec 2023 20:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2023
 Supervised By : Mahesh Dadoda 12/08/2023

Quant Time: Dec 07 01:07:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	249721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	393687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	171673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	182768	44.326	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.660%		
35) Dibromofluoromethane	8.165	113	139964	48.182	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.360%		
50) Toluene-d8	10.571	98	482126	46.042	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.080%		
62) 4-Bromofluorobenzene	12.847	95	188819	47.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	159098	42.771	ug/l	99
3) Chloromethane	2.365	50	121270	43.363	ug/l	97
4) Vinyl Chloride	2.518	62	139269	47.057	ug/l	100
5) Bromomethane	2.953	94	85294	42.453	ug/l	92
6) Chloroethane	3.118	64	88631	48.364	ug/l	98
7) Trichlorofluoromethane	3.500	101	287296	46.534	ug/l	99
8) Diethyl Ether	3.959	74	90228	50.252	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	125802	44.581	ug/l	92
10) Methyl Iodide	4.589	142	164533	53.951	ug/l	88
11) Tert butyl alcohol	5.512	59	108796	239.938	ug/l	99
12) 1,1-Dichloroethene	4.342	96	127364	48.255	ug/l	84
13) Acrolein	4.177	56	125678	313.191	ug/l	98
14) Allyl chloride	5.024	41	159399	48.002	ug/l	95
15) Acrylonitrile	5.718	53	290105	238.327	ug/l	99
16) Acetone	4.424	43	240349	173.548	ug/l	97
17) Carbon Disulfide	4.712	76	331523	42.067	ug/l	98
18) Methyl Acetate	5.018	43	206567	46.422	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	485846	52.124	ug/l	97
20) Methylene Chloride	5.283	84	151281	52.162	ug/l	97
21) trans-1,2-Dichloroethene	5.788	96	141037	48.641	ug/l	89
22) Diisopropyl ether	6.671	45	373894	50.891	ug/l	97
23) Vinyl Acetate	6.600	43	1063485	240.778	ug/l #	92
24) 1,1-Dichloroethane	6.565	63	254514	47.564	ug/l	97
25) 2-Butanone	7.482	43	329677	200.358	ug/l	93
26) 2,2-Dichloropropane	7.488	77	243045	45.781	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	163621	49.772	ug/l	90
28) Bromochloromethane	7.818	49	84370	40.106	ug/l	98
29) Tetrahydrofuran	7.835	42	209613	237.281	ug/l	94
30) Chloroform	7.965	83	295986	49.489	ug/l	95
31) Cyclohexane	8.259	56	178654	39.841	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	282354	48.409	ug/l	99
36) 1,1-Dichloropropene	8.371	75	202347	48.112	ug/l	95
37) Ethyl Acetate	7.565	43	140533	48.173	ug/l	98
38) Carbon Tetrachloride	8.365	117	253225	47.446	ug/l	99
39) Methylcyclohexane	9.600	83	188873	46.576	ug/l	90
40) Benzene	8.606	78	576604	48.239	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080400.D
 Acq On : 06 Dec 2023 20:42
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2023
 Supervised By : Mahesh Dadoda 12/08/2023

Quant Time: Dec 07 01:07:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	81032	50.580	ug/l	94
42) 1,2-Dichloroethane	8.671	62	244007	49.896	ug/l	95
43) Isopropyl Acetate	8.688	43	248472	43.769	ug/l	98
44) Trichloroethene	9.353	130	158507	50.553	ug/l	98
45) 1,2-Dichloropropane	9.624	63	138240	49.766	ug/l	98
46) Dibromomethane	9.706	93	103961	49.441	ug/l #	87
47) Bromodichloromethane	9.888	83	239454	51.770	ug/l	97
48) Methyl methacrylate	9.682	41	148696	50.827	ug/l	90
49) 1,4-Dioxane	9.694	88	45379	932.396	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	699941	238.152	ug/l	100
52) Toluene	10.629	92	369883	49.446	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	236664	49.801	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	250208	51.535	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	143100	50.121	ug/l	97
56) Ethyl methacrylate	10.876	69	159012	54.517	ug/l	93
57) 1,3-Dichloropropane	11.165	76	250399	50.232	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	367216	223.477	ug/l	98
59) 2-Hexanone	11.200	43	509196	215.607	ug/l	97
60) Dibromochloromethane	11.359	129	177382	51.894	ug/l	100
61) 1,2-Dibromoethane	11.470	107	144998	49.781	ug/l	99
64) Tetrachloroethene	11.106	164	139217	52.304	ug/l	95
65) Chlorobenzene	11.894	112	396167	50.129	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	160070	52.194	ug/l	94
67) Ethyl Benzene	11.965	91	716996	50.985	ug/l	98
68) m/p-Xylenes	12.070	106	529224	103.215	ug/l	89
69) o-Xylene	12.400	106	259051	53.610	ug/l	88
70) Styrene	12.412	104	387940	53.939	ug/l	93
71) Bromoform	12.582	173	122026	53.654	ug/l #	100
73) Isopropylbenzene	12.694	105	669421	50.181	ug/l	99
74) N-amyl acetate	12.494	43	194551	46.766	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	185256	46.399	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	174106m	41.392	ug/l	
77) Bromobenzene	12.982	156	167209	49.715	ug/l	96
78) n-propylbenzene	13.035	91	733617	49.178	ug/l	99
79) 2-Chlorotoluene	13.123	91	485668	50.127	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	580529	49.991	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	57287	46.014	ug/l #	87
82) 4-Chlorotoluene	13.223	91	483136	48.675	ug/l	98
83) tert-Butylbenzene	13.441	119	462221	49.634	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	583804	51.056	ug/l	96
85) sec-Butylbenzene	13.617	105	584248	49.594	ug/l	99
86) p-Isopropyltoluene	13.729	119	537365	51.063	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	288808	47.661	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	292594	48.047	ug/l	99
89) n-Butylbenzene	14.059	91	437345	49.652	ug/l	99
90) Hexachloroethane	14.335	117	94599	46.110	ug/l	70
91) 1,2-Dichlorobenzene	14.106	146	285612	49.254	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	40975	44.183	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	154710	45.873	ug/l	96
94) Hexachlorobutadiene	15.506	225	83707	43.129	ug/l	99
95) Naphthalene	15.641	128	548417	56.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	147383	46.623	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
Data File : VN080400.D
Acq On : 06 Dec 2023 20:42
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/08/2023
Supervised By :Mahesh Dadoda 12/08/2023

Quant Time: Dec 07 01:07:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration

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

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

