

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064214.D
 Acq On : 21 Oct 2020 11:45
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:18 PM

Quant Time: Oct 21 12:20:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:00:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	292061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	473566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	427214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208668	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	211559	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.55	113	151756	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
50) Toluene-d8	10.06	98	572495	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.38	95	228150	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	178968	62.012	ug/l	100
3) Chloromethane	2.04	50	181488	52.051	ug/l	100
4) Vinyl Chloride	2.16	62	177325	42.380	ug/l	100
5) Bromomethane	2.53	94	111039	36.625	ug/l	100
6) Chloroethane	2.67	64	104475	32.508	ug/l	100
7) Trichlorofluoromethane	2.98	101	291602	49.350	ug/l	100
8) Diethyl Ether	3.37	74	94760	51.107	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	146961	50.549	ug/l	100
10) Methyl Iodide	3.91	142	209988	51.286	ug/l	100
11) Tert butyl alcohol	4.73	59	145301	297.320	ug/l	100
12) 1,1-Dichloroethene	3.70	96	141078	48.369	ug/l	100
13) Acrolein	3.57	56	85097	229.574	ug/l	100
14) Allyl chloride	4.27	41	285385	59.942	ug/l	100
15) Acrylonitrile	4.93	53	309612	235.987	ug/l	100
16) Acetone	3.78	43	317121	253.198	ug/l	100
17) Carbon Disulfide	4.01	76	408169	49.057	ug/l	100
18) Methyl Acetate	4.28	43	156052	49.741	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	485253	55.502	ug/l	100
20) Methylene Chloride	4.50	84	162632	42.983	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	154650	47.214	ug/l	100
22) Diisopropyl ether	5.90	45	511251	56.694	ug/l	100
23) Vinyl Acetate	5.84	43	2376292	294.379	ug/l	100
24) 1,1-Dichloroethane	5.80	63	303968	49.206	ug/l	100
25) 2-Butanone	6.78	43	501299	260.856	ug/l	100
26) 2,2-Dichloropropane	6.78	77	297633	56.002	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	177216	46.128	ug/l	100
28) Bromochloromethane	7.15	49	139770	47.473	ug/l	100
29) Tetrahydrofuran	7.17	42	305527	270.880	ug/l	100
30) Chloroform	7.33	83	317676	48.535	ug/l	100
31) Cyclohexane	7.61	56	242433	51.487	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	307330	53.474	ug/l	100
36) 1,1-Dichloropropene	7.75	75	238571	51.822	ug/l	100
37) Ethyl Acetate	6.88	43	218521	53.186	ug/l	100
38) Carbon Tetrachloride	7.74	117	276359	54.927	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064214.D
 Acq On : 21 Oct 2020 11:45
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/22/2020 3:25:18 PM

Quant Time: Oct 21 12:20:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:00:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	223829	57.033	ug/l	100
40) Benzene	8.00	78	658482	47.982	ug/l	100
41) Methacrylonitrile	7.12	41	100348	55.894	ug/l	100
42) 1,2-Dichloroethane	8.08	62	280400	55.821	ug/l	100
43) Isopropyl Acetate	8.13	43	401965	57.793	ug/l	100
44) Trichloroethene	8.80	130	179162	49.401	ug/l	100
45) 1,2-Dichloropropane	9.08	63	180033	49.622	ug/l	100
46) Dibromomethane	9.17	93	124237	48.404	ug/l	100
47) Bromodichloromethane	9.37	83	269888	53.179	ug/l	100
48) Methyl methacrylate	9.16	41	207585	63.707	ug/l	100
49) 1,4-Dioxane	9.16	88	47903	1002.029	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1108735	274.573	ug/l	100
52) Toluene	10.13	92	426474	50.479	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	300550	57.028	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	309867	53.921	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	164280	47.149	ug/l	100
56) Ethyl methacrylate	10.40	69	255404	56.444	ug/l	100
57) 1,3-Dichloropropane	10.68	76	286599	49.558	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	653599	288.237	ug/l	100
59) 2-Hexanone	10.72	43	820735	288.575	ug/l	100
60) Dibromochloromethane	10.87	129	206958	52.156	ug/l	100
61) 1,2-Dibromoethane	10.98	107	174309	49.147	ug/l	100
64) Tetrachloroethene	10.60	164	172980	53.108	ug/l	100
65) Chlorobenzene	11.41	112	454806	50.461	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	182174	52.866	ug/l	100
67) Ethyl Benzene	11.48	91	846309	55.448	ug/l	100
68) m/p-Xylenes	11.60	106	620564	109.992	ug/l	100
69) o-Xylene	11.92	106	306835	56.451	ug/l	100
70) Styrene	11.94	104	520481	57.488	ug/l	100
71) Bromoform	12.10	173	144999	56.240	ug/l #	100
73) Isopropylbenzene	12.22	105	819882	53.447	ug/l	100
74) N-amyl acetate	12.04	43	364807	61.578	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	214706	41.847	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	209731m	42.272	ug/l	
77) Bromobenzene	12.50	156	192587	47.163	ug/l	100
78) n-propylbenzene	12.57	91	932330	54.436	ug/l	100
79) 2-Chlorotoluene	12.65	91	572118	52.522	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	696878	56.416	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	88798	53.986	ug/l	100
82) 4-Chlorotoluene	12.75	91	600442	54.532	ug/l	100
83) tert-Butylbenzene	12.97	119	566737	55.485	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	700826	57.827	ug/l	100
85) sec-Butylbenzene	13.14	105	728223	55.582	ug/l	100
86) p-Isopropyltoluene	13.26	119	667200	58.150	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	346739	50.698	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	349960	49.925	ug/l	100
89) n-Butylbenzene	13.59	91	599047	61.366	ug/l	100
90) Hexachloroethane	13.85	117	116184	52.933	ug/l	100
91) 1,2-Dichlorobenzene	13.62	146	340451	50.155	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	54768	53.187	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
Data File : VN064214.D
Acq On : 21 Oct 2020 11:45
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:18 PM

Quant Time: Oct 21 12:20:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:00:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	200873	69.389	ug/l	100
94) Hexachlorobutadiene	14.98	225	100195	59.089	ug/l	100
95) Naphthalene	15.10	128	597104	69.164	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	193662	67.431	ug/l	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102120\
Data File : VN064214.D
Acq On : 21 Oct 2020 11:45
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

MMDadoda
10/22/2020 3:25:18 PM

Quant Time: Oct 21 12:20:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:00:10 2020
Response via : Initial Calibration

