

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065040.D
 Acq On : 10 Dec 2020 11:11
 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
 12/11/2020 12:32:20 PM

Quant Time: Dec 10 14:19:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 14:05:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	214075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	327842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	293632	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.31	152	147350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	118681	47.68	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.36%
35) Dibromofluoromethane	7.55	113	101866	51.15	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.30%
50) Toluene-d8	10.06	98	396750	49.26	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.52%
62) 4-Bromofluorobenzene	12.37	95	138029	48.12	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	96.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	67396	37.662	ug/l 100
3) Chloromethane	2.04	50	92158	39.365	ug/l 100
4) Vinyl Chloride	2.17	62	99834	40.681	ug/l 100
5) Bromomethane	2.53	94	68172	42.327	ug/l 100
6) Chloroethane	2.67	64	68715	44.748	ug/l 100
7) Trichlorofluoromethane	2.99	101	153895	44.790	ug/l 100
8) Diethyl Ether	3.37	74	62447	45.947	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	95268	46.081	ug/l 100
10) Methyl Iodide	3.91	142	117559	44.630	ug/l 100
11) Tert butyl alcohol	4.74	59	77138	207.156	ug/l 100
12) 1,1-Dichloroethene	3.69	96	87597	42.998	ug/l 100
13) Acrolein	3.57	56	59440	249.256	ug/l 100
14) Allyl chloride	4.27	41	147969	43.969	ug/l 100
15) Acrylonitrile	4.93	53	244553	231.904	ug/l 100
16) Acetone	3.78	43	228193	273.021	ug/l 100
17) Carbon Disulfide	4.01	76	208178	35.837	ug/l 100
18) Methyl Acetate	4.28	43	114394	46.800	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	313592	47.658	ug/l 100
20) Methylene Chloride	4.50	84	111198	43.644	ug/l 100
21) trans-1,2-Dichloroethene	4.99	96	97732	43.120	ug/l 100
22) Diisopropyl ether	5.90	45	329971	48.548	ug/l 100
23) Vinyl Acetate	5.85	43	1291951	239.315	ug/l 100
24) 1,1-Dichloroethane	5.80	63	191625	47.187	ug/l 100
25) 2-Butanone	6.79	43	316697	242.481	ug/l 100
26) 2,2-Dichloropropane	6.78	77	162833	46.252	ug/l 100
27) cis-1,2-Dichloroethene	6.78	96	118336	46.075	ug/l 100
28) Bromochloromethane	7.15	49	87349	46.966	ug/l 100
29) Tetrahydrofuran	7.17	42	202572	226.751	ug/l 100
30) Chloroform	7.33	83	201156	47.739	ug/l 100
31) Cyclohexane	7.61	56	141130	41.702	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	169165	46.957	ug/l 100
36) 1,1-Dichloropropene	7.75	75	142386	47.287	ug/l 100
37) Ethyl Acetate	6.88	43	125385	43.904	ug/l 100
38) Carbon Tetrachloride	7.73	117	150334	47.915	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065040.D
 Acq On : 10 Dec 2020 11:11
 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
 12/11/2020 12:32:20 PM

Quant Time: Dec 10 14:19:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 14:05:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	137680	43.142	ug/l	100
40) Benzene	8.00	78	431606	46.776	ug/l	100
41) Methacrylonitrile	7.13	41	68924	50.064	ug/l	100
42) 1,2-Dichloroethane	8.08	62	145627	46.701	ug/l	100
43) Isopropyl Acetate	8.13	43	213768	46.222	ug/l	100
44) Trichloroethene	8.80	130	121479	44.807	ug/l	100
45) 1,2-Dichloropropane	9.08	63	119397	49.539	ug/l	100
46) Dibromomethane	9.17	93	77724	48.448	ug/l	100
47) Bromodichloromethane	9.37	83	157873	48.907	ug/l	100
48) Methyl methacrylate	9.16	41	104929	47.494	ug/l	100
49) 1,4-Dioxane	9.17	88	38317	919.628	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	653487	235.620	ug/l	100
52) Toluene	10.12	92	276254	48.483	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	169202	47.291	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	188666	49.079	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	113906	48.287	ug/l	100
56) Ethyl methacrylate	10.40	69	156020	48.783	ug/l	100
57) 1,3-Dichloropropane	10.68	76	185800	48.073	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	438773	248.873	ug/l	100
59) 2-Hexanone	10.72	43	476699	239.033	ug/l	100
60) Dibromochloromethane	10.87	129	130237	49.894	ug/l	100
61) 1,2-Dibromoethane	10.97	107	115916	48.678	ug/l	100
64) Tetrachloroethene	10.60	164	127340	45.138	ug/l	100
65) Chlorobenzene	11.40	112	307728	48.688	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	117684	50.671	ug/l	100
67) Ethyl Benzene	11.48	91	517209	49.327	ug/l	100
68) m/p-Xylenes	11.59	106	410943	102.916	ug/l	100
69) o-Xylene	11.92	106	193923	51.268	ug/l	100
70) Styrene	11.94	104	333040	52.123	ug/l	100
71) Bromoform	12.10	173	89862	48.707	ug/l #	100
73) Isopropylbenzene	12.22	105	512483	50.214	ug/l	100
74) N-amyl acetate	12.04	43	184237	46.683	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	146388	48.762	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	145724m	46.638	ug/l	
77) Bromobenzene	12.50	156	132907	48.164	ug/l	100
78) n-propylbenzene	12.56	91	575987	49.728	ug/l	100
79) 2-Chlorotoluene	12.65	91	344340	48.028	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	435818	51.410	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	53351	47.228	ug/l	100
82) 4-Chlorotoluene	12.75	91	362306	48.169	ug/l	100
83) tert-Butylbenzene	12.97	119	357180	50.253	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	441066	51.343	ug/l	100
85) sec-Butylbenzene	13.14	105	461911	49.214	ug/l	100
86) p-Isopropyltoluene	13.26	119	431902	50.547	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	237566	48.441	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	239705	46.238	ug/l	100
89) n-Butylbenzene	13.59	91	350273	46.932	ug/l	100
90) Hexachloroethane	13.85	117	75550	50.614	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	233387	48.447	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	28744	43.486	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
Data File : VN065040.D
Acq On : 10 Dec 2020 11:11
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
12/11/2020 12:32:20 PM

Quant Time: Dec 10 14:19:56 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 10 14:05:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	121031	41.535	ug/l	100
94) Hexachlorobutadiene	14.98	225	63113	42.482	ug/l	100
95) Naphthalene	15.10	128	363831	41.846	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	116564	40.686	ug/l	100

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

