

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
 Data File : VN057114.D
 Acq On : 7 Aug 2019 19:43
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 2:40:24 PM

Quant Time: Aug 08 05:25:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1198068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1765475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1541414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	543237	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	259816	20.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.90%	
35) Dibromofluoromethane	6.99	113	234812	21.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.24%	
50) Toluene-d8	9.56	98	885202	21.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.24%	
62) 4-Bromofluorobenzene	11.92	95	266717	19.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.56%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.82	85	189399	20.292	ug/l	98
3) Chloromethane	2.00	50	245817	19.680	ug/l	99
4) Vinyl Chloride	2.11	62	237298	19.882	ug/l	100
5) Bromomethane	2.43	94	165734	23.054	ug/l	98
6) Chloroethane	2.55	64	152928	26.037	ug/l	99
7) Trichlorofluoromethane	2.83	101	343692	20.875	ug/l	98
8) Diethyl Ether	3.14	74	132669	19.755	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	205128	19.679	ug/l	99
10) Methyl Iodide	3.63	142	308400	24.730	ug/l	99
11) Tert butyl alcohol	4.23	59	163102	121.035	ug/l	100
12) 1,1-Dichloroethene	3.43	96	201991	19.334	ug/l	98
13) Acrolein	3.31	56	106737	94.528	ug/l	96
14) Allyl chloride	3.91	41	293246	18.695	ug/l	97
15) Acrylonitrile	4.45	53	491018	111.914	ug/l	100
16) Acetone	3.47	43	374574	98.644	ug/l	98
17) Carbon Disulfide	3.72	76	523741	20.491	ug/l	99
18) Methyl Acetate	3.89	43	228069	17.358	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	629365	20.571	ug/l	100
20) Methylene Chloride	4.10	84	243285	20.274	ug/l	99
21) trans-1,2-Dichloroethene	4.51	96	220987	20.076	ug/l	99
22) Diisopropyl ether	5.32	45	667147	20.255	ug/l	98
23) Vinyl Acetate	5.27	43	2534355	103.039	ug/l	99
24) 1,1-Dichloroethane	5.25	63	401340	19.794	ug/l	97
25) 2-Butanone	6.20	43	591074	109.123	ug/l	100
26) 2,2-Dichloropropane	6.21	77	295206	19.100	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	259521	20.196	ug/l	100
28) Bromochloromethane	6.59	49	198752	22.153	ug/l	98
29) Tetrahydrofuran	6.60	42	396812	112.606	ug/l	99
30) Chloroform	6.76	83	406758	20.016	ug/l	98
31) Cyclohexane	7.07	56	355785	19.821	ug/l	98
32) 1,1,1-Trichloroethane	6.98	97	345910	20.416	ug/l	98
36) 1,1-Dichloropropene	7.20	75	299404	19.524	ug/l	99
37) Ethyl Acetate	6.28	43	247871	21.203	ug/l #	100
38) Carbon Tetrachloride	7.18	117	303090	20.514	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
 Data File : VN057114.D
 Acq On : 7 Aug 2019 19:43
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/8/2019 2:40:24 PM

Quant Time: Aug 08 05:25:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	349874	19.712	ug/l	99
40) Benzene	7.46	78	935316	19.761	ug/l	97
41) Methacrylonitrile	6.55	41	124765	25.365	ug/l	97
42) 1,2-Dichloroethane	7.54	62	295780	19.962	ug/l	99
43) Isopropyl Acetate	7.56	43	414729	19.452	ug/l	98
44) Trichloroethene	8.27	130	262097	20.268	ug/l	100
45) 1,2-Dichloropropane	8.56	63	242546	19.816	ug/l	99
46) Dibromomethane	8.65	93	154913	20.325	ug/l	97
47) Bromodichloromethane	8.85	83	301186	20.599	ug/l	97
48) Methyl methacrylate	8.63	41	190639	20.319	ug/l	99
49) 1,4-Dioxane	8.64	88	78550	412.046	ug/l	97
51) 4-Methyl-2-Pentanone	9.45	43	1231199	115.617	ug/l	99
52) Toluene	9.63	92	589852	20.526	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	312963	20.405	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	363638	20.220	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	227684	20.762	ug/l	96
56) Ethyl methacrylate	9.90	69	318162	21.175	ug/l	99
57) 1,3-Dichloropropane	10.19	76	381318	20.944	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	546228	100.765	ug/l	98
59) 2-Hexanone	10.24	43	826694	108.207	ug/l	99
60) Dibromochloromethane	10.39	129	239006	20.946	ug/l	99
61) 1,2-Dibromoethane	10.50	107	237017	21.160	ug/l	99
64) Tetrachloroethene	10.11	164	267714	20.645	ug/l	96
65) Chlorobenzene	10.93	112	623897	20.049	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	237643	20.726	ug/l	99
67) Ethyl Benzene	11.01	91	1086979	20.292	ug/l	100
68) m/p-Xylenes	11.12	106	801230	39.710	ug/l	98
69) o-Xylene	11.46	106	399501	20.155	ug/l	98
70) Styrene	11.47	104	614632	19.445	ug/l	99
71) Bromoform	11.64	173	173228	21.388	ug/l #	98
73) Isopropylbenzene	11.76	105	1054989	23.906	ug/l	100
74) N-amyl acetate	11.58	43	283023	21.853	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	302644	24.380	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	256187m	24.980	ug/l	
77) Bromobenzene	12.04	156	263776	22.445	ug/l	99
78) n-propylbenzene	12.11	91	1057736	23.371	ug/l	99
79) 2-Chlorotoluene	12.19	91	676645	23.368	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	874687	23.731	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.81	75	72499	22.301	ug/l	96
82) 4-Chlorotoluene	12.29	91	599056	22.061	ug/l	100
83) tert-Butylbenzene	12.52	119	765055	23.485	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	842264	23.900	ug/l	99
85) sec-Butylbenzene	12.70	105	963469	23.959	ug/l	100
86) p-Isopropyltoluene	12.82	119	837945	23.576	ug/l	100
87) 1,3-Dichlorobenzene	12.81	146	377567	20.804	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	341523	19.567	ug/l	98
89) n-Butylbenzene	13.15	91	588722	21.673	ug/l	99
90) Hexachloroethane	13.41	117	142949	23.212	ug/l	99
91) 1,2-Dichlorobenzene	13.18	146	380824	21.133	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	39433	22.369	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080719\
Data File : VN057114.D
Acq On : 7 Aug 2019 19:43
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
8/8/2019 2:40:24 PM

Quant Time: Aug 08 05:25:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 04:56:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	109401	13.505	ug/l	96
94) Hexachlorobutadiene	14.55	225	157125	21.806	ug/l	98
95) Naphthalene	14.66	128	223677	13.566	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	116896	14.090	ug/l	99

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

