

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022219\
 Data File : VN053920.D
 Acq On : 22 Feb 2019 17:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 10:42:51 AM

Quant Time: Feb 22 23:51:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	650028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	979181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	864716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	409865	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	332762	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.59	113	321271	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.09	98	1194340	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.40	95	401296	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	256348	45.391	ug/l	100
3) Chloromethane	2.06	50	329723	46.962	ug/l	98
4) Vinyl Chloride	2.19	62	370721	49.189	ug/l	98
5) Bromomethane	2.57	94	214831	38.924	ug/l	100
6) Chloroethane	2.71	64	242329	49.750	ug/l	100
7) Trichlorofluoromethane	3.02	101	527520	49.290	ug/l	99
8) Diethyl Ether	3.41	74	193117	51.331	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	312830	48.502	ug/l	99
10) Methyl Iodide	3.96	142	420845	44.000	ug/l	99
11) Tert butyl alcohol	4.78	59	117112	282.396	ug/l	99
12) 1,1-Dichloroethene	3.74	96	305086	50.576	ug/l	99
13) Acrolein	3.61	56	115033	388.085	ug/l	98
14) Allyl chloride	4.33	41	492965	53.997	ug/l	99
15) Acrylonitrile	4.99	53	574391	274.936	ug/l	100
16) Acetone	3.81	43	439630	240.628	ug/l	99
17) Carbon Disulfide	4.06	76	898503	48.091	ug/l	100
18) Methyl Acetate	4.33	43	233098	54.058	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	858245	56.077	ug/l	100
20) Methylene Chloride	4.55	84	346337	50.634	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	325216	51.367	ug/l	95
22) Diisopropyl ether	5.95	45	951186	55.891	ug/l	97
23) Vinyl Acetate	5.90	43	3508613	286.779	ug/l	100
24) 1,1-Dichloroethane	5.85	63	602358	52.277	ug/l	100
25) 2-Butanone	6.83	43	622802	264.175	ug/l	97
26) 2,2-Dichloropropane	6.83	77	454682	52.002	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	370058	52.177	ug/l	100
28) Bromochloromethane	7.19	49	247513	49.219	ug/l	99
29) Tetrahydrofuran	7.21	42	389378	255.385	ug/l	99
30) Chloroform	7.37	83	560362	48.400	ug/l	98
31) Cyclohexane	7.65	56	513827	48.687	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	483279	48.787	ug/l	100
36) 1,1-Dichloropropene	7.79	75	431296	48.054	ug/l	100
37) Ethyl Acetate	6.93	43	267044	49.433	ug/l	100
38) Carbon Tetrachloride	7.77	117	438577	48.947	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022219\
 Data File : VN053920.D
 Acq On : 22 Feb 2019 17:05
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 10:42:51 AM

Quant Time: Feb 22 23:51:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	525671	50.828	ug/l	99
40) Benzene	8.04	78	1318821	49.704	ug/l	100
41) Methacrylonitrile	7.17	41	137153	46.524	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	388340	49.094	ug/l	100
43) Isopropyl Acetate	8.16	43	480924	50.234	ug/l #	90
44) Trichloroethene	8.83	130	364901	49.127	ug/l	96
45) 1,2-Dichloropropane	9.12	63	343639	50.728	ug/l	99
46) Dibromomethane	9.21	93	207198	50.798	ug/l	99
47) Bromodichloromethane	9.40	83	433033	50.326	ug/l	100
48) Methyl methacrylate	9.20	41	219813	53.552	ug/l	90
49) 1,4-Dioxane	9.20	88	65197	981.205	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1250649	254.148	ug/l	98
52) Toluene	10.16	92	808707	51.432	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	455726	54.543	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	527806	53.594	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	294219	51.186	ug/l	99
56) Ethyl methacrylate	10.43	69	371870	50.287	ug/l	99
57) 1,3-Dichloropropane	10.71	76	497102	51.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	841120	253.143	ug/l	99
59) 2-Hexanone	10.75	43	816548	271.856	ug/l	97
60) Dibromochloromethane	10.90	129	347667	51.818	ug/l	99
61) 1,2-Dibromoethane	11.01	107	295516	51.749	ug/l	100
64) Tetrachloroethene	10.63	164	348713	45.098	ug/l	98
65) Chlorobenzene	11.43	112	902615	49.869	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	336888	51.006	ug/l	100
67) Ethyl Benzene	11.51	91	1508823	51.509	ug/l	99
68) m/p-Xylenes	11.62	106	1179881	104.028	ug/l	99
69) o-Xylene	11.95	106	570576	52.255	ug/l	99
70) Styrene	11.96	104	923787	53.914	ug/l	99
71) Bromoform	12.13	173	243831	52.018	ug/l #	100
73) Isopropylbenzene	12.25	105	1476687	51.142	ug/l	99
74) N-amyl acetate	12.07	43	372181	56.130	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	347638	50.924	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	265070m	44.055	ug/l	
77) Bromobenzene	12.53	156	432880	55.887	ug/l	92
78) n-propylbenzene	12.59	91	1692147	52.406	ug/l	99
79) 2-Chlorotoluene	12.68	91	995241	51.120	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1252385	52.254	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	100449	55.114	ug/l	99
82) 4-Chlorotoluene	12.77	91	1005625	51.847	ug/l	100
83) tert-Butylbenzene	12.99	119	1126638	52.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1273625	52.983	ug/l	99
85) sec-Butylbenzene	13.17	105	1484701	51.238	ug/l	99
86) p-Isopropyltoluene	13.29	119	1314600	52.274	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	692622	51.243	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	682192	50.162	ug/l	99
89) n-Butylbenzene	13.61	91	1090610	52.737	ug/l	100
90) Hexachloroethane	13.87	117	233248	48.550	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	675675	50.953	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52337	52.539	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022219\
Data File : VN053920.D
Acq On : 22 Feb 2019 17:05
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
2/25/2019 10:42:51 AM

Quant Time: Feb 22 23:51:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 21 03:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	388269	48.430	ug/l	98
94) Hexachlorobutadiene	15.01	225	240434	43.477	ug/l	99
95) Naphthalene	15.13	128	930292	56.540	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	372888	48.979	ug/l	99

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

