

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053321.D
 Acq On : 9 Jan 2019 10:47
 Operator : MD\SY
 Sample : VN0109WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:25:18 AM

Quant Time: Jan 10 03:31:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1030651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1536552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1369610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	632761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	511132	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	7.59	113	434220	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	10.09	98	1853722	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.40	95	643423	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	174414	19.195	ug/l	100
3) Chloromethane	2.06	50	225253	17.752	ug/l	99
4) Vinyl Chloride	2.19	62	226340	18.689	ug/l	99
5) Bromomethane	2.57	94	151264	19.114	ug/l	97
6) Chloroethane	2.71	64	132432	18.116	ug/l	100
7) Trichlorofluoromethane	3.02	101	300000	19.124	ug/l	99
8) Diethyl Ether	3.41	74	116512	18.949	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	190029	19.114	ug/l	98
10) Methyl Iodide	3.96	142	266455	19.120	ug/l	99
11) Tert butyl alcohol	4.78	59	58609	90.875	ug/l	99
12) 1,1-Dichloroethene	3.74	96	183192	19.049	ug/l	99
13) Acrolein	3.61	56	64315	79.313	ug/l	97
14) Allyl chloride	4.33	41	299020	19.292	ug/l	95
15) Acrylonitrile	4.99	53	352017	91.432	ug/l	99
16) Acetone	3.82	43	266077	101.780	ug/l	98
17) Carbon Disulfide	4.06	76	528198	17.815	ug/l	99
18) Methyl Acetate	4.33	43	164344	16.935	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	516254	19.128	ug/l	100
20) Methylene Chloride	4.55	84	210135	18.247	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	193153	18.706	ug/l	98
22) Diisopropyl ether	5.95	45	636702	19.068	ug/l	97
23) Vinyl Acetate	5.90	43	1975628	94.034	ug/l	99
24) 1,1-Dichloroethane	5.85	63	364887	18.947	ug/l	99
25) 2-Butanone	6.83	43	409515	93.091	ug/l	99
26) 2,2-Dichloropropane	6.83	77	267043	18.969	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	223426	18.948	ug/l	99
28) Bromochloromethane	7.20	49	173255	21.112	ug/l	99
29) Tetrahydrofuran	7.21	42	265209	91.357	ug/l	99
30) Chloroform	7.37	83	356154	18.789	ug/l	99
31) Cyclohexane	7.66	56	348999	18.950	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	298811	18.918	ug/l	100
36) 1,1-Dichloropropene	7.79	75	281753	19.642	ug/l	100
37) Ethyl Acetate	6.93	43	178282	19.081	ug/l	99
38) Carbon Tetrachloride	7.77	117	257638	19.459	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053321.D
 Acq On : 9 Jan 2019 10:47
 Operator : MD\SY
 Sample : VN0109WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0109WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:25:18 AM

Quant Time: Jan 10 03:31:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	322592	19.412	ug/l	99
40) Benzene	8.04	78	848680	19.368	ug/l	98
41) Methacrylonitrile	7.17	41	92731	15.986	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	249378	19.187	ug/l	99
43) Isopropyl Acetate	8.16	43	321468	17.489	ug/l	99
44) Trichloroethene	8.83	130	230871	19.189	ug/l	100
45) 1,2-Dichloropropane	9.12	63	223893	19.482	ug/l	99
46) Dibromomethane	9.21	93	128811	19.223	ug/l	99
47) Bromodichloromethane	9.40	83	271774	19.462	ug/l	99
48) Methyl methacrylate	9.20	41	155848	18.663	ug/l	98
49) 1,4-Dioxane	9.20	88	32467	364.914	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	888771	96.151	ug/l	100
52) Toluene	10.16	92	525423	19.546	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	275836	19.309	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	325596	19.724	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	190751	19.298	ug/l	100
56) Ethyl methacrylate	10.43	69	248422	19.340	ug/l	99
57) 1,3-Dichloropropane	10.71	76	319964	19.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	663425	95.536	ug/l	100
59) 2-Hexanone	10.75	43	612667	96.737	ug/l	100
60) Dibromochloromethane	10.90	129	204859	19.216	ug/l	100
61) 1,2-Dibromoethane	11.00	107	186449	19.115	ug/l	98
64) Tetrachloroethene	10.63	164	253004	19.627	ug/l	99
65) Chlorobenzene	11.43	112	578910	19.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	203475	19.539	ug/l	99
67) Ethyl Benzene	11.51	91	1000116	19.782	ug/l	100
68) m/p-Xylenes	11.62	106	758854	39.917	ug/l	100
69) o-Xylene	11.95	106	368535	19.801	ug/l	98
70) Styrene	11.96	104	612086	20.207	ug/l	98
71) Bromoform	12.13	173	141733	19.268	ug/l #	99
73) Isopropylbenzene	12.25	105	977029	20.739	ug/l	100
74) N-amyl acetate	12.07	43	273169	19.418	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	213662	19.716	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187358m	20.301	ug/l	
77) Bromobenzene	12.53	156	251543	20.006	ug/l	99
78) n-propylbenzene	12.59	91	1092791	20.507	ug/l	99
79) 2-Chlorotoluene	12.67	91	657622	20.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	785794	20.707	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62688	19.984	ug/l	98
82) 4-Chlorotoluene	12.77	91	664883	20.109	ug/l	100
83) tert-Butylbenzene	12.99	119	675104	20.277	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	794832	20.560	ug/l	100
85) sec-Butylbenzene	13.17	105	894470	20.371	ug/l	100
86) p-Isopropyltoluene	13.29	119	773621	20.350	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	436249	19.702	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	428024	19.487	ug/l	99
89) n-Butylbenzene	13.62	91	621579	19.502	ug/l	100
90) Hexachloroethane	13.87	117	116547	19.127	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410807	19.807	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26912	20.474	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
Data File : VN053321.D
Acq On : 9 Jan 2019 10:47
Operator : MD\SY
Sample : VN0109WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Manual Integrations
APPROVED

MMDadoda
1/10/2019 9:25:18 AM

Quant Time: Jan 10 03:31:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	142106	21.791	ug/l	99
94) Hexachlorobutadiene	15.01	225	114668	21.497	ug/l	98
95) Naphthalene	15.13	128	252396	22.687	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96078	22.503	ug/l	98

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

