

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052832.D
 Acq On : 12 Dec 2018 17:33
 Operator : MD\SY
 Sample : VN1212WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:32 PM

Quant Time: Dec 13 04:22:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1066085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1597558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1424863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	662316	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	548987	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
35) Dibromofluoromethane	7.59	113	444688	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	10.09	98	1953318	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	660925	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	216912	19.765	ug/l 99
3) Chloromethane	2.06	50	254409	19.315	ug/l 99
4) Vinyl Chloride	2.19	62	256426	19.460	ug/l 100
5) Bromomethane	2.58	94	154847	19.052	ug/l 99
6) Chloroethane	2.71	64	150080	19.269	ug/l 99
7) Trichlorofluoromethane	3.02	101	318083	19.470	ug/l 99
8) Diethyl Ether	3.41	74	116957	19.626	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	203705	20.119	ug/l 99
10) Methyl Iodide	3.96	142	248000	17.490	ug/l 100
11) Tert butyl alcohol	4.78	59	59356	93.713	ug/l 98
12) 1,1-Dichloroethene	3.74	96	189016	19.284	ug/l 100
13) Acrolein	3.61	56	67288	112.837	ug/l 98
14) Allyl chloride	4.33	41	314193	19.626	ug/l 96
15) Acrylonitrile	4.99	53	345636	97.272	ug/l 100
16) Acetone	3.82	43	230642	90.594	ug/l 98
17) Carbon Disulfide	4.06	76	576553	19.148	ug/l 99
18) Methyl Acetate	4.33	43	175343	18.767	ug/l 99
19) Methyl tert-butyl Ether	5.05	73	515721	19.381	ug/l 98
20) Methylene Chloride	4.55	84	215659	18.823	ug/l 100
21) trans-1,2-Dichloroethene	5.05	96	202632	19.082	ug/l 96
22) Diisopropyl ether	5.95	45	663981	19.441	ug/l 100
23) Vinyl Acetate	5.90	43	2004378	98.627	ug/l 99
24) 1,1-Dichloroethane	5.85	63	382341	19.413	ug/l 99
25) 2-Butanone	6.83	43	369943	93.649	ug/l 99
26) 2,2-Dichloropropane	6.83	77	280688	19.352	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	230881	19.157	ug/l 98
28) Bromochloromethane	7.20	49	177705	20.093	ug/l 99
29) Tetrahydrofuran	7.21	42	254103	94.223	ug/l 98
30) Chloroform	7.37	83	368001	19.160	ug/l 98
31) Cyclohexane	7.66	56	382821	19.576	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	309756	19.276	ug/l 99
36) 1,1-Dichloropropene	7.79	75	295380	20.078	ug/l 99
37) Ethyl Acetate	6.93	43	172568	19.526	ug/l 99
38) Carbon Tetrachloride	7.78	117	273763	20.217	ug/l 100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052832.D
 Acq On : 12 Dec 2018 17:33
 Operator : MD\SY
 Sample : VN1212WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1212WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:32 PM

Quant Time: Dec 13 04:22:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	370249	20.509	ug/l	99
40) Benzene	8.04	78	879691	19.923	ug/l	100
41) Methacrylonitrile	7.18	41	97174	19.845	ug/l	93
42) 1,2-Dichloroethane	8.13	62	264912	19.929	ug/l	99
43) Isopropyl Acetate	8.17	43	318891	17.599	ug/l	99
44) Trichloroethene	8.84	130	236353	19.817	ug/l	95
45) 1,2-Dichloropropane	9.12	63	229999	19.887	ug/l	99
46) Dibromomethane	9.21	93	130011	19.384	ug/l	98
47) Bromodichloromethane	9.40	83	275017	19.773	ug/l	100
48) Methyl methacrylate	9.20	41	160293	20.172	ug/l	99
49) 1,4-Dioxane	9.20	88	34603	383.639	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	831677	100.098	ug/l	100
52) Toluene	10.16	92	535440	20.022	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	281331	20.101	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	332527	19.938	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	190828	19.990	ug/l	97
56) Ethyl methacrylate	10.43	69	244839	19.985	ug/l	99
57) 1,3-Dichloropropane	10.71	76	325344	19.874	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	677179	99.062	ug/l	99
59) 2-Hexanone	10.75	43	558076	98.010	ug/l	99
60) Dibromochloromethane	10.90	129	205018	19.871	ug/l	100
61) 1,2-Dibromoethane	11.01	107	188954	20.024	ug/l	100
64) Tetrachloroethene	10.63	164	243983	19.923	ug/l	98
65) Chlorobenzene	11.43	112	586446	19.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201770	19.626	ug/l	99
67) Ethyl Benzene	11.51	91	1018427	20.062	ug/l	99
68) m/p-Xylenes	11.62	106	770561	40.424	ug/l	100
69) o-Xylene	11.95	106	373361	20.059	ug/l	98
70) Styrene	11.96	104	603337	20.164	ug/l	99
71) Bromoform	12.13	173	136333	19.519	ug/l #	99
73) Isopropylbenzene	12.25	105	1002424	20.271	ug/l	99
74) N-amyl acetate	12.07	43	264497	19.482	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	217783	19.651	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	187315m	19.169	ug/l	
77) Bromobenzene	12.53	156	248621	19.767	ug/l	100
78) n-propylbenzene	12.59	91	1139219	20.200	ug/l	100
79) 2-Chlorotoluene	12.68	91	666423	19.988	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	815496	20.429	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57017	18.745	ug/l	95
82) 4-Chlorotoluene	12.77	91	682182	20.011	ug/l	99
83) tert-Butylbenzene	12.99	119	719578	20.434	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	817491	20.228	ug/l	100
85) sec-Butylbenzene	13.17	105	974389	20.432	ug/l	99
86) p-Isopropyltoluene	13.29	119	846646	20.491	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	442956	19.818	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	432486	19.539	ug/l	98
89) n-Butylbenzene	13.62	91	693598	19.941	ug/l	99
90) Hexachloroethane	13.88	117	135834	19.633	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	422382	19.645	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32908	19.698	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
Data File : VN052832.D
Acq On : 12 Dec 2018 17:33
Operator : MD\SY
Sample : VN1212WBS02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS02

Manual Integrations
APPROVED

MMDadoda
12/13/2018 1:36:32 PM

Quant Time: Dec 13 04:22:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	231454	19.804	ug/l	99
94) Hexachlorobutadiene	15.01	225	139603	20.637	ug/l	99
95) Naphthalene	15.13	128	460611	19.029	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	206584	19.264	ug/l	99

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

