

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051668.D
 Acq On : 4 Oct 2018 15:44
 Operator : MD\SY
 Sample : VN1004WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:14 PM

Quant Time: Oct 05 07:01:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	513791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	789890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	716165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	356723	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	344047	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
35) Dibromofluoromethane	7.59	113	304470	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
50) Toluene-d8	10.09	98	1113783	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	358810	44.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	126633	20.404	ug/l	100
3) Chloromethane	2.06	50	135598	23.126	ug/l	100
4) Vinyl Chloride	2.18	62	217931	23.595	ug/l	99
5) Bromomethane	2.57	94	160350	22.575	ug/l	100
6) Chloroethane	2.70	64	143165	23.062	ug/l	99
7) Trichlorofluoromethane	3.01	101	210071	21.064	ug/l	97
8) Diethyl Ether	3.41	74	55956	20.790	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	103276	20.117	ug/l	96
10) Methyl Iodide	3.95	142	119322	19.095	ug/l	99
11) Tert butyl alcohol	4.80	59	48908	106.026	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	98678	20.623	ug/l	99
13) Acrolein	3.61	56	35168	122.033	ug/l	95
14) Allyl chloride	4.32	41	150821	20.667	ug/l	97
15) Acrylonitrile	5.00	53	170389	107.043	ug/l	99
16) Acetone	3.82	43	126386	99.863	ug/l	98
17) Carbon Disulfide	4.05	76	290608	19.981	ug/l	99
18) Methyl Acetate	4.33	43	80078	21.375	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	325717	20.623	ug/l	99
20) Methylene Chloride	4.55	84	113699	20.360	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	110359	19.464	ug/l	98
22) Diisopropyl ether	5.96	45	320592	20.494	ug/l	100
23) Vinyl Acetate	5.90	43	1188975	103.368	ug/l	99
24) 1,1-Dichloroethane	5.85	63	204781	20.354	ug/l	99
25) 2-Butanone	6.84	43	205570	104.885	ug/l	99
26) 2,2-Dichloropropane	6.83	77	202154	20.051	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	129163	19.623	ug/l	99
28) Bromochloromethane	7.20	49	89882	20.180	ug/l	98
29) Tetrahydrofuran	7.22	42	133973	111.388	ug/l	99
30) Chloroform	7.37	83	225098	19.913	ug/l	96
31) Cyclohexane	7.65	56	183065	19.868	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	216015	19.715	ug/l	99
36) 1,1-Dichloropropene	7.80	75	163802	19.840	ug/l	99
37) Ethyl Acetate	6.93	43	95621	22.206	ug/l	98
38) Carbon Tetrachloride	7.78	117	192636	19.444	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051668.D
 Acq On : 4 Oct 2018 15:44
 Operator : MD\SY
 Sample : VN1004WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:14 PM

Quant Time: Oct 05 07:01:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	204731	19.754	ug/l	100
40) Benzene	8.04	78	486583	19.880	ug/l	98
41) Methacrylonitrile	7.20	41	65815m	29.542	ug/l	
42) 1,2-Dichloroethane	8.13	62	168692	20.451	ug/l	99
43) Isopropyl Acetate	8.17	43	197411	21.989	ug/l #	89
44) Trichloroethene	8.84	130	138118	19.874	ug/l	95
45) 1,2-Dichloropropane	9.12	63	122616	20.263	ug/l	100
46) Dibromomethane	9.21	93	83314	19.808	ug/l	99
47) Bromodichloromethane	9.40	83	182718	19.733	ug/l	99
48) Methyl methacrylate	9.20	41	85907	20.941	ug/l	98
49) 1,4-Dioxane	9.20	88	24793	403.048	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	494398	108.675	ug/l	98
52) Toluene	10.16	92	313703	19.271	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	183456	19.201	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	199658	19.679	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	116390	20.070	ug/l	97
56) Ethyl methacrylate	10.43	69	147556	20.121	ug/l	92
57) 1,3-Dichloropropane	10.71	76	180475	19.663	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	315918	104.088	ug/l	98
59) 2-Hexanone	10.75	43	332085	107.485	ug/l	94
60) Dibromochloromethane	10.90	129	146898	19.357	ug/l	99
61) 1,2-Dibromoethane	11.01	107	117950	19.240	ug/l	99
64) Tetrachloroethene	10.63	164	125481	19.860	ug/l	99
65) Chlorobenzene	11.44	112	346411	19.530	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	139417	19.631	ug/l	99
67) Ethyl Benzene	11.51	91	600052	19.573	ug/l	98
68) m/p-Xylenes	11.62	106	476835	38.873	ug/l	99
69) o-Xylene	11.95	106	235557	19.581	ug/l	99
70) Styrene	11.97	104	366042	19.096	ug/l	99
71) Bromoform	12.13	173	97693	18.494	ug/l #	99
73) Isopropylbenzene	12.25	105	628279	20.661	ug/l	100
74) N-amyl acetate	12.07	43	153083	22.556	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	141166	21.757	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	127864m	26.956	ug/l	
77) Bromobenzene	12.53	156	145573	19.579	ug/l	97
78) n-propylbenzene	12.59	91	678154	20.447	ug/l	99
79) 2-Chlorotoluene	12.68	91	399194	20.422	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	518136	20.219	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39128	20.163	ug/l	92
82) 4-Chlorotoluene	12.77	91	385403	19.627	ug/l	100
83) tert-Butylbenzene	12.99	119	479238	20.871	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	519429	20.236	ug/l	100
85) sec-Butylbenzene	13.17	105	621877	20.474	ug/l	99
86) p-Isopropyltoluene	13.29	119	544419	20.218	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	253302	19.551	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	240814	18.884	ug/l	98
89) n-Butylbenzene	13.62	91	418426	19.653	ug/l	99
90) Hexachloroethane	13.88	117	111068	20.674	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	247030	19.180	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22965	21.499	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
Data File : VN051668.D
Acq On : 4 Oct 2018 15:44
Operator : MD\SY
Sample : VN1004WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBSD01

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:14 PM

Quant Time: Oct 05 07:01:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 05 02:22:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	96181	16.782	ug/l	99
94) Hexachlorobutadiene	15.01	225	77045	19.814	ug/l	99
95) Naphthalene	15.13	128	211271	17.071	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	100235	17.758	ug/l	98

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

