

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063755.D
 Acq On : 30 Sep 2020 17:31
 Operator : JC/MD
 Sample : VN0930WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0930WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:40:41 PM

Quant Time: Oct 01 02:57:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	263518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	458718	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	423763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190097	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	216273	49.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.36%	
35) Dibromofluoromethane	7.55	113	147161	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
50) Toluene-d8	10.06	98	557964	46.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.48%	
62) 4-Bromofluorobenzene	12.38	95	208356	45.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	51099	18.377	ug/l	100
3) Chloromethane	2.04	50	61563	18.869	ug/l	99
4) Vinyl Chloride	2.16	62	62074	18.954	ug/l	97
5) Bromomethane	2.53	94	38220	18.554	ug/l	99
6) Chloroethane	2.68	64	38279	19.560	ug/l	99
7) Trichlorofluoromethane	2.98	101	99950	19.243	ug/l	98
8) Diethyl Ether	3.37	74	35623	20.279	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51423	18.523	ug/l	96
10) Methyl Iodide	3.91	142	62064	19.254	ug/l	99
11) Tert butyl alcohol	4.72	59	44990	93.604	ug/l	99
12) 1,1-Dichloroethene	3.70	96	51425	19.379	ug/l	98
13) Acrolein	3.57	56	27960	94.783	ug/l	98
14) Allyl chloride	4.28	41	96010	19.475	ug/l	96
15) Acrylonitrile	4.93	53	135776	98.688	ug/l	99
16) Acetone	3.77	43	122563	91.455	ug/l	96
17) Carbon Disulfide	4.01	76	138192	19.699	ug/l	100
18) Methyl Acetate	4.28	43	69275	19.909	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	192887	20.008	ug/l	99
20) Methylene Chloride	4.51	84	61591	20.124	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	54686	18.399	ug/l	94
22) Diisopropyl ether	5.90	45	205063	20.218	ug/l	99
23) Vinyl Acetate	5.85	43	835906	99.490	ug/l	99
24) 1,1-Dichloroethane	5.80	63	114705	19.779	ug/l	99
25) 2-Butanone	6.79	43	187978	98.936	ug/l	100
26) 2,2-Dichloropropane	6.78	77	93361	17.579	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	66272	19.387	ug/l	99
28) Bromochloromethane	7.15	49	63102	22.015	ug/l	99
29) Tetrahydrofuran	7.17	42	125785	98.708	ug/l	99
30) Chloroform	7.33	83	118799	19.646	ug/l	98
31) Cyclohexane	7.62	56	94318	18.661	ug/l	# 92
32) 1,1,1-Trichloroethane	7.53	97	104174	19.100	ug/l	98
36) 1,1-Dichloropropene	7.75	75	85341	18.364	ug/l	99
37) Ethyl Acetate	6.88	43	82279	17.820	ug/l	99
38) Carbon Tetrachloride	7.74	117	88119	16.910	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063755.D
 Acq On : 30 Sep 2020 17:31
 Operator : JC/MD
 Sample : VN0930WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0930WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:40:41 PM

Quant Time: Oct 01 02:57:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	78210	16.876	ug/l	98
40) Benzene	8.00	78	243468	18.342	ug/l	100
41) Methacrylonitrile	7.14	41	38138m	18.585	ug/l	
42) 1,2-Dichloroethane	8.08	62	105599	18.637	ug/l	99
43) Isopropyl Acetate	8.13	43	141608	18.594	ug/l #	89
44) Trichloroethene	8.80	130	61699	17.740	ug/l	97
45) 1,2-Dichloropropane	9.08	63	65697	18.326	ug/l	98
46) Dibromomethane	9.17	93	44808	18.119	ug/l	99
47) Bromodichloromethane	9.37	83	92580	18.165	ug/l	98
48) Methyl methacrylate	9.17	41	71652	19.043	ug/l	96
49) 1,4-Dioxane	9.17	88	17933	335.349	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	423373	94.730	ug/l	100
52) Toluene	10.13	92	152649	18.592	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	99276	18.171	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	105746	18.507	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	60869	18.487	ug/l	97
56) Ethyl methacrylate	10.40	69	87880	18.830	ug/l	99
57) 1,3-Dichloropropane	10.68	76	104072	18.683	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	227552	91.148	ug/l	99
59) 2-Hexanone	10.72	43	297483	89.602	ug/l	99
60) Dibromochloromethane	10.87	129	67288	17.548	ug/l	98
61) 1,2-Dibromoethane	10.98	107	61974	18.400	ug/l	99
64) Tetrachloroethene	10.60	164	56747	17.309	ug/l	97
65) Chlorobenzene	11.41	112	161778	18.611	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	60165	18.054	ug/l	99
67) Ethyl Benzene	11.49	91	294404	18.613	ug/l	100
68) m/p-Xylenes	11.59	106	215226	36.509	ug/l	99
69) o-Xylene	11.92	106	102344	18.574	ug/l	99
70) Styrene	11.94	104	174456	18.652	ug/l	99
71) Bromoform	12.10	173	44628	17.510	ug/l #	99
73) Isopropylbenzene	12.22	105	271271	19.564	ug/l	99
74) N-amyl acetate	12.05	43	119755	19.975	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	85212	20.097	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	81814m	19.524	ug/l	
77) Bromobenzene	12.50	156	66896	19.662	ug/l	94
78) n-propylbenzene	12.57	91	311242	19.288	ug/l	98
79) 2-Chlorotoluene	12.65	91	195506	19.700	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	226305	19.455	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	26647	18.315	ug/l	91
82) 4-Chlorotoluene	12.75	91	205128	19.910	ug/l	100
83) tert-Butylbenzene	12.97	119	181143	19.037	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	230421	19.840	ug/l	97
85) sec-Butylbenzene	13.15	105	238448	19.080	ug/l	99
86) p-Isopropyltoluene	13.26	119	208308	18.841	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	118471	19.248	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	116442	18.169	ug/l	97
89) n-Butylbenzene	13.59	91	184121	18.043	ug/l	99
90) Hexachloroethane	13.85	117	36576	17.072	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	115207	18.897	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18843	18.950	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
Data File : VN063755.D
Acq On : 30 Sep 2020 17:31
Operator : JC/MD
Sample : VN0930WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBSD01

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:40:41 PM

Quant Time: Oct 01 02:57:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	59149	18.959	ug/l	99
94) Hexachlorobutadiene	14.98	225	29661	17.987	ug/l	98
95) Naphthalene	15.10	128	194536	20.160	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	56879	18.704	ug/l	100

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
Data File : VN063755.D
Acq On : 30 Sep 2020 17:31
Operator : JC/MD
Sample : VN0930WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0930WBSD01

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:40:41 PM

Quant Time: Oct 01 02:57:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration

