

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091619\
 Data File : VN058109.D
 Acq On : 16 Sep 2019 11:44
 Operator : JC/SP
 Sample : VN0916WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:56:56 PM

Quant Time: Sep 17 04:01:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	316379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	507755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	476871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289961	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	331152	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
35) Dibromofluoromethane	7.58	113	236378	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.08	98	936049	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	339598	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	91122	20.826	ug/l	100
3) Chloromethane	2.04	50	79407	17.806	ug/l	96
4) Vinyl Chloride	2.17	62	81854	17.343	ug/l	99
5) Bromomethane	2.54	94	44644	16.184	ug/l	95
6) Chloroethane	2.68	64	50437	16.770	ug/l	90
7) Trichlorofluoromethane	3.00	101	111654	18.798	ug/l	99
8) Diethyl Ether	3.39	74	50378	20.336	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82451	22.005	ug/l	99
10) Methyl Iodide	3.93	142	75846	18.191	ug/l	98
11) Tert butyl alcohol	4.75	59	76941	99.205	ug/l	99
12) 1,1-Dichloroethene	3.72	96	65946	19.575	ug/l	98
13) Acrolein	3.59	56	5993	9.108	ug/l	98
14) Allyl chloride	4.30	41	127326	19.313	ug/l	98
15) Acrylonitrile	4.96	53	228218	107.057	ug/l	99
16) Acetone	3.80	43	203382	96.818	ug/l	98
17) Carbon Disulfide	4.03	76	88148	16.917	ug/l	99
18) Methyl Acetate	4.30	43	132856	23.720	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	312004	22.254	ug/l	99
20) Methylene Chloride	4.53	84	91482	22.191	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	73146	20.085	ug/l	97
22) Diisopropyl ether	5.93	45	336002	21.732	ug/l	95
23) Vinyl Acetate	5.87	43	1208357	110.280	ug/l	99
24) 1,1-Dichloroethane	5.83	63	183263	21.688	ug/l	99
25) 2-Butanone	6.82	43	322897	106.202	ug/l	96
26) 2,2-Dichloropropane	6.81	77	136592	20.426	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	101356	20.768	ug/l	98
28) Bromochloromethane	7.18	49	86410	20.469	ug/l	93
29) Tetrahydrofuran	7.19	42	196543	104.907	ug/l	99
30) Chloroform	7.36	83	190118	21.519	ug/l	99
31) Cyclohexane	7.64	56	126944	20.737	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	148158	21.144	ug/l	98
36) 1,1-Dichloropropene	7.78	75	118125	20.060	ug/l	99
37) Ethyl Acetate	6.91	43	133227	21.898	ug/l	99
38) Carbon Tetrachloride	7.76	117	114589	21.314	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091619\
 Data File : VN058109.D
 Acq On : 16 Sep 2019 11:44
 Operator : JC/SP
 Sample : VN0916WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:56:56 PM

Quant Time: Sep 17 04:01:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	119693	19.336	ug/l	95
40) Benzene	8.03	78	373695	21.079	ug/l	98
41) Methacrylonitrile	7.15	41	60621	21.950	ug/l #	71
42) 1,2-Dichloroethane	8.11	62	155038	21.866	ug/l	100
43) Isopropyl Acetate	8.15	43	242272	23.679	ug/l	97
44) Trichloroethene	8.83	130	90758	20.872	ug/l	95
45) 1,2-Dichloropropane	9.11	63	111403	21.595	ug/l	95
46) Dibromomethane	9.20	93	68836	22.082	ug/l	99
47) Bromodichloromethane	9.40	83	138672	22.277	ug/l	99
48) Methyl methacrylate	9.19	41	110662	21.322	ug/l	97
49) 1,4-Dioxane	9.19	88	33328	379.729	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	705198	116.473	ug/l	99
52) Toluene	10.15	92	237325	21.254	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	138718	21.161	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	155333	21.462	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	106966	22.615	ug/l	95
56) Ethyl methacrylate	10.43	69	153843	21.599	ug/l	97
57) 1,3-Dichloropropane	10.71	76	175678	21.552	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	334515	99.715	ug/l	100
59) 2-Hexanone	10.75	43	492298	108.480	ug/l	100
60) Dibromochloromethane	10.90	129	96329	21.932	ug/l	99
61) 1,2-Dibromoethane	11.00	107	98402	22.006	ug/l	97
64) Tetrachloroethene	10.63	164	71245	20.234	ug/l	99
65) Chlorobenzene	11.43	112	267675	21.448	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	95483	22.049	ug/l	98
67) Ethyl Benzene	11.51	91	483825	22.121	ug/l	99
68) m/p-Xylenes	11.62	106	351627	43.890	ug/l	98
69) o-Xylene	11.95	106	178667	22.432	ug/l	97
70) Styrene	11.97	104	304861	22.241	ug/l	98
71) Bromoform	12.13	173	57826	21.418	ug/l #	99
73) Isopropylbenzene	12.25	105	489877	21.772	ug/l	100
74) N-amyl acetate	12.07	43	204961	20.931	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	161449	21.311	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	138452m	21.107	ug/l	
77) Bromobenzene	12.53	156	122960	21.919	ug/l	90
78) n-propylbenzene	12.60	91	571753	22.129	ug/l	100
79) 2-Chlorotoluene	12.68	91	337558	20.671	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	417824	21.978	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36003	19.315	ug/l	90
82) 4-Chlorotoluene	12.78	91	353144	21.059	ug/l	99
83) tert-Butylbenzene	13.00	119	357028	21.127	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	417390	21.602	ug/l	98
85) sec-Butylbenzene	13.18	105	493188	22.019	ug/l	99
86) p-Isopropyltoluene	13.29	119	439157	22.252	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	216482	21.024	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	214878	20.559	ug/l	98
89) n-Butylbenzene	13.62	91	397419	21.324	ug/l	100
90) Hexachloroethane	13.88	117	59999	20.442	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	217937	21.186	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26946	21.538	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091619\
Data File : VN058109.D
Acq On : 16 Sep 2019 11:44
Operator : JC/SP
Sample : VN0916WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0916WBS01

Manual Integrations
APPROVED

MMDadoda
9/18/2019 2:56:56 PM

Quant Time: Sep 17 04:01:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	139605	20.763	ug/l	99
94) Hexachlorobutadiene	15.02	225	59830	20.992	ug/l	98
95) Naphthalene	15.13	128	393482	22.311	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	130573	22.799	ug/l	100

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

