

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062980.D
 Acq On : 17 Aug 2020 19:56
 Operator : JC/MD
 Sample : VN0817WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0817WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:13:06 AM

Quant Time: Aug 18 07:12:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 17:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	239768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	343293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	330775	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	160035	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	115642	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	
35) Dibromofluoromethane	7.55	113	103397	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
50) Toluene-d8	10.06	98	406947	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.38	95	144227	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	53904	18.739	ug/l	100
3) Chloromethane	2.03	50	50137	19.415	ug/l	99
4) Vinyl Chloride	2.16	62	68476	20.996	ug/l	97
5) Bromomethane	2.52	94	45194	19.553	ug/l	98
6) Chloroethane	2.66	64	43164	19.434	ug/l	98
7) Trichlorofluoromethane	2.98	101	89711	19.747	ug/l	99
8) Diethyl Ether	3.38	74	21813	15.664	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	35786	16.494	ug/l	99
10) Methyl Iodide	3.91	142	47029	17.003	ug/l	98
11) Tert butyl alcohol	4.74	59	39206	90.328	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	34026	16.520	ug/l	98
13) Acrolein	3.57	56	14601	56.070	ug/l	99
14) Allyl chloride	4.27	41	51706	16.259	ug/l	98
15) Acrylonitrile	4.93	53	100486	87.788	ug/l	100
16) Acetone	3.78	43	76244	77.527	ug/l	99
17) Carbon Disulfide	4.01	76	89644	15.167	ug/l	100
18) Methyl Acetate	4.28	43	44940	21.024	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	123640	18.377	ug/l	98
20) Methylene Chloride	4.50	84	41378	17.808	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	36842	17.077	ug/l	95
22) Diisopropyl ether	5.90	45	123040	17.905	ug/l	95
23) Vinyl Acetate	5.85	43	398138	82.196	ug/l	98
24) 1,1-Dichloroethane	5.80	63	70226	17.479	ug/l	98
25) 2-Butanone	6.79	43	123113	86.860	ug/l	98
26) 2,2-Dichloropropane	6.78	77	54727	16.478	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	45612	17.820	ug/l	98
28) Bromochloromethane	7.15	49	37007	19.106	ug/l	99
29) Tetrahydrofuran	7.17	42	80758	104.645	ug/l	98
30) Chloroform	7.33	83	73527	17.550	ug/l	99
31) Cyclohexane	7.62	56	68085	17.378	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	62928	18.095	ug/l	98
36) 1,1-Dichloropropene	7.75	75	50041	16.993	ug/l	99
37) Ethyl Acetate	6.88	43	44969	16.715	ug/l	98
38) Carbon Tetrachloride	7.73	117	53803	17.293	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062980.D
 Acq On : 17 Aug 2020 19:56
 Operator : JC/MD
 Sample : VN0817WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0817WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/18/2020 11:13:06 AM

Quant Time: Aug 18 07:12:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 17:31:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	68376	17.496	ug/l	99
40) Benzene	8.00	78	164197	17.627	ug/l	99
41) Methacrylonitrile	7.13	41	20023	15.176	ug/l	98
42) 1,2-Dichloroethane	8.09	62	54089	17.691	ug/l	100
43) Isopropyl Acetate	8.13	43	75883	17.753	ug/l #	92
44) Trichloroethene	8.80	130	44473	17.709	ug/l	96
45) 1,2-Dichloropropane	9.08	63	43644	16.816	ug/l	98
46) Dibromomethane	9.18	93	29049	17.977	ug/l	96
47) Bromodichloromethane	9.37	83	59225	18.070	ug/l	99
48) Methyl methacrylate	9.17	41	37321	17.851	ug/l	97
49) 1,4-Dioxane	9.17	88	16096	364.002	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	256776	89.789	ug/l	98
52) Toluene	10.12	92	107154	18.209	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	62011	17.540	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	68690	18.000	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	44903	18.002	ug/l	98
56) Ethyl methacrylate	10.40	69	61577	18.479	ug/l	99
57) 1,3-Dichloropropane	10.68	76	72691	18.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	67481	103.102	ug/l	100
59) 2-Hexanone	10.72	43	189254	103.988	ug/l	100
60) Dibromochloromethane	10.88	129	51901	18.696	ug/l	99
61) 1,2-Dibromoethane	10.98	107	46110	18.109	ug/l	100
64) Tetrachloroethene	10.60	164	41495	18.290	ug/l	99
65) Chlorobenzene	11.41	112	122993	18.166	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	47953	18.236	ug/l	98
67) Ethyl Benzene	11.48	91	203992	17.885	ug/l	98
68) m/p-Xylenes	11.60	106	157785	36.634	ug/l	99
69) o-Xylene	11.92	106	74113	18.115	ug/l	100
70) Styrene	11.94	104	129501	18.249	ug/l	98
71) Bromoform	12.10	173	40280	18.326	ug/l #	100
73) Isopropylbenzene	12.22	105	204284	18.503	ug/l	99
74) N-amyl acetate	12.05	43	65866	17.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	69613	19.920	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	63915m	20.071	ug/l	
77) Bromobenzene	12.50	156	58397	18.346	ug/l	99
78) n-propylbenzene	12.57	91	248352	19.279	ug/l	99
79) 2-Chlorotoluene	12.65	91	163606	21.132	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	184070	19.815	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	20785	17.610	ug/l	96
82) 4-Chlorotoluene	12.75	91	141285	17.908	ug/l	100
83) tert-Butylbenzene	12.97	119	150471	18.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	164490	18.300	ug/l	98
85) sec-Butylbenzene	13.15	105	195449	18.539	ug/l	98
86) p-Isopropyltoluene	13.26	119	177242	18.893	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	98000	18.694	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	96846	17.925	ug/l	99
89) n-Butylbenzene	13.59	91	128581	16.874	ug/l	99
90) Hexachloroethane	13.85	117	33441	17.573	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	93877	18.529	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14681	24.448	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
Data File : VN062980.D
Acq On : 17 Aug 2020 19:56
Operator : JC/MD
Sample : VN0817WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0817WBSD01

Manual Integrations
APPROVED

MMDadoda
8/18/2020 11:13:06 AM

Quant Time: Aug 18 07:12:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 17:31:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	48988	19.819	ug/l	99
94) Hexachlorobutadiene	14.98	225	38988	19.935	ug/l	98
95) Naphthalene	15.10	128	119999	22.884	ug/l	98
96) 1,2,3-Trichlorobenzene	15.28	180	51458	20.487	ug/l	97

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

