

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059531.D
 Acq On : 9 Dec 2019 16:35
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 12/10/2019 5:10:49 PM

Quant Time: Dec 09 18:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	286834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	462122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	426183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	614851	172.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	345.52%	
35) Dibromofluoromethane	7.57	113	443172	157.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.48%	
50) Toluene-d8	10.08	98	1718052	156.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.40%	
62) 4-Bromofluorobenzene	12.40	95	642554	162.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	324.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	476546	150.987	ug/l	100
3) Chloromethane	2.04	50	698173	162.073	ug/l	99
4) Vinyl Chloride	2.17	62	716071	246.620	ug/l	100
5) Bromomethane	2.52	94	420777	235.508	ug/l	98
6) Chloroethane	2.67	64	424308	250.142	ug/l	98
7) Trichlorofluoromethane	2.99	101	873523	252.249	ug/l	99
8) Diethyl Ether	3.38	74	286274	145.808	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	436940	146.807	ug/l	99
10) Methyl Iodide	3.92	142	602632	161.346	ug/l	100
11) Tert butyl alcohol	4.75	59	534712	820.794	ug/l	99
12) 1,1-Dichloroethene	3.71	96	432244	149.676	ug/l	97
13) Acrolein	3.58	56	307035	612.736	ug/l	99
14) Allyl chloride	4.29	41	871972	152.032	ug/l	100
15) Acrylonitrile	4.95	53	1399979	793.167	ug/l	99
16) Acetone	3.79	43	1262798	539.571	ug/l	99
17) Carbon Disulfide	4.03	76	1385188	139.526	ug/l	100
18) Methyl Acetate	4.29	43	729730	155.508	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	1596135	160.644	ug/l	99
20) Methylene Chloride	4.52	84	494825	134.578	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	487217	149.924	ug/l	98
22) Diisopropyl ether	5.92	45	1751216	163.753	ug/l	96
23) Vinyl Acetate	5.87	43	7120205	825.853	ug/l	95
24) 1,1-Dichloroethane	5.82	63	945311	155.838	ug/l	100
25) 2-Butanone	6.81	43	2036242	769.579	ug/l	100
26) 2,2-Dichloropropane	6.80	77	845192	159.569	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	548511	151.666	ug/l	99
28) Bromochloromethane	7.17	49	383350	198.335	ug/l	99
29) Tetrahydrofuran	7.18	42	1350940	808.112	ug/l	100
30) Chloroform	7.35	83	954122	161.651	ug/l	98
31) Cyclohexane	7.63	56	879233	150.560	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	829252	161.119	ug/l	100
36) 1,1-Dichloropropene	7.77	75	736507	156.377	ug/l	100
37) Ethyl Acetate	6.90	43	834915	158.655	ug/l	100
38) Carbon Tetrachloride	7.75	117	734602	161.410	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059531.D
 Acq On : 9 Dec 2019 16:35
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 12/10/2019 5:10:49 PM

Quant Time: Dec 09 18:17:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	880363	156.583	ug/l	99
40) Benzene	8.02	78	2068028	150.594	ug/l	99
41) Methacrylonitrile	7.16	41	399924m	184.263	ug/l	
42) 1,2-Dichloroethane	8.10	62	795489	166.809	ug/l	99
43) Isopropyl Acetate	8.15	43	1366120	173.489	ug/l	99
44) Trichloroethene	8.82	130	525169	146.635	ug/l	97
45) 1,2-Dichloropropane	9.10	63	564347	153.561	ug/l	100
46) Dibromomethane	9.19	93	368699	160.278	ug/l	98
47) Bromodichloromethane	9.39	83	762075	164.636	ug/l	100
48) Methyl methacrylate	9.18	41	631830	178.170	ug/l	99
49) 1,4-Dioxane	9.19	88	165494	3168.209	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3767333	807.677	ug/l	93
52) Toluene	10.15	92	1293818	156.166	ug/l	96
53) t-1,3-Dichloropropene	10.37	75	906969	167.081	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	928157	162.071	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	509626	155.786	ug/l	98
56) Ethyl methacrylate	10.42	69	858308	181.103	ug/l	99
57) 1,3-Dichloropropane	10.70	76	896815	157.889	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	1183924	854.998	ug/l	100
59) 2-Hexanone	10.74	43	2914416	830.223	ug/l	95
60) Dibromochloromethane	10.90	129	585245	166.495	ug/l	99
61) 1,2-Dibromoethane	11.00	107	546102	161.143	ug/l	99
64) Tetrachloroethene	10.63	164	465620	134.849	ug/l	99
65) Chlorobenzene	11.43	112	1343974	148.151	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	516508	157.894	ug/l	99
67) Ethyl Benzene	11.51	91	2437324	153.006	ug/l	97
68) m/p-Xylenes	11.62	106	1865858	312.011	ug/l	94
69) o-Xylene	11.95	106	898097	157.698	ug/l	98
70) Styrene	11.96	104	1607349	176.210	ug/l	99
71) Bromoform	12.12	173	428162	165.659	ug/l #	99
73) Isopropylbenzene	12.25	105	2366470	150.151	ug/l	99
74) N-amyl acetate	12.07	43	1176400	182.814	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	771662	150.828	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	753506m	149.155	ug/l	
77) Bromobenzene	12.53	156	568060	142.338	ug/l	94
78) n-propylbenzene	12.59	91	2753591	148.627	ug/l	99
79) 2-Chlorotoluene	12.67	91	1652242	147.725	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1997837	149.769	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	314049	168.720	ug/l	90
82) 4-Chlorotoluene	12.77	91	1740210	150.196	ug/l	99
83) tert-Butylbenzene	12.99	119	1716969	148.430	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2012855	154.003	ug/l	100
85) sec-Butylbenzene	13.17	105	2299623	149.583	ug/l	99
86) p-Isopropyltoluene	13.29	119	2111402	152.738	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1043321	146.883	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1032223	143.928	ug/l	99
89) n-Butylbenzene	13.62	91	2031806	163.579	ug/l	99
90) Hexachloroethane	13.88	117	406220	152.500	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1003890	147.646	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	187301	151.697	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
Data File : VN059531.D
Acq On : 9 Dec 2019 16:35
Operator : JC/SP
Sample : VSTDICC150
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

apatel
12/10/2019 5:10:49 PM

Quant Time: Dec 09 18:17:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 09 16:19:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	716184	167.477	ug/l	99
94) Hexachlorobutadiene	15.01	225	342914	128.809	ug/l	99
95) Naphthalene	15.13	128	2144046	170.991	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	698373	152.668	ug/l	99

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

