

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058397.D
 Acq On : 26 Sep 2019 20:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:20:23 AM

Quant Time: Sep 27 05:57:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	481450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	817890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	709850	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	334978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	331258	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	7.57	113	240823	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
50) Toluene-d8	10.08	98	887720	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
62) 4-Bromofluorobenzene	12.41	95	331604	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	154372	39.032	ug/l	99
3) Chloromethane	2.04	50	133906	43.796	ug/l	99
4) Vinyl Chloride	2.17	62	146858	43.943	ug/l	97
5) Bromomethane	2.50	94	53053	30.351	ug/l	96
6) Chloroethane	2.61	64	58528	26.588	ug/l	100
7) Trichlorofluoromethane	2.94	101	250405	46.385	ug/l	96
8) Diethyl Ether	3.38	74	127185	51.418	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.71	101	182293	46.836	ug/l	99
10) Methyl Iodide	3.91	142	133560	40.952	ug/l	97
11) Tert butyl alcohol	4.85	59	176731m	221.563	ug/l	
12) 1,1-Dichloroethene	3.69	96	145308	49.189	ug/l	97
13) Acrolein	3.58	56	22871	193.479	ug/l	100
14) Allyl chloride	4.28	41	304615	47.829	ug/l	99
15) Acrylonitrile	4.97	53	576784	271.405	ug/l	99
16) Acetone	3.81	43	479674	210.737	ug/l	99
17) Carbon Disulfide	4.01	76	158335	38.147	ug/l	99
18) Methyl Acetate	4.30	43	338051	56.442	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	817067	55.658	ug/l	100
20) Methylene Chloride	4.52	84	202460	50.808	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	158239	49.157	ug/l	96
22) Diisopropyl ether	5.93	45	861623	53.258	ug/l	96
23) Vinyl Acetate	5.87	43	3102050	280.219	ug/l	99
24) 1,1-Dichloroethane	5.82	63	432546	50.094	ug/l	99
25) 2-Butanone	6.82	43	774923	249.894	ug/l	100
26) 2,2-Dichloropropane	6.80	77	326828	44.616	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	242568	49.683	ug/l	99
28) Bromochloromethane	7.18	49	205036	50.196	ug/l	100
29) Tetrahydrofuran	7.20	42	493060	258.128	ug/l	99
30) Chloroform	7.35	83	459020	49.387	ug/l	98
31) Cyclohexane	7.63	56	254525	45.379	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	361074	51.031	ug/l	99
36) 1,1-Dichloropropene	7.77	75	259909	44.066	ug/l	99
37) Ethyl Acetate	6.91	43	334044	54.573	ug/l	99
38) Carbon Tetrachloride	7.75	117	276441	46.625	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058397.D
 Acq On : 26 Sep 2019 20:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:20:23 AM

Quant Time: Sep 27 05:57:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	246686	43.267	ug/l	99
40) Benzene	8.02	78	854543	47.435	ug/l	99
41) Methacrylonitrile	7.15	41	137347	44.640	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	370428	49.003	ug/l	99
43) Isopropyl Acetate	8.15	43	613170	53.638	ug/l #	91
44) Trichloroethene	8.82	130	209290	47.474	ug/l	100
45) 1,2-Dichloropropane	9.11	63	272448	50.641	ug/l	99
46) Dibromomethane	9.20	93	161207	49.285	ug/l	100
47) Bromodichloromethane	9.39	83	347466	50.706	ug/l	98
48) Methyl methacrylate	9.19	41	271548	52.317	ug/l	98
49) 1,4-Dioxane	9.20	88	52806	619.659	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	1711040	281.791	ug/l	99
52) Toluene	10.15	92	568702	50.371	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	376601	53.651	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	396114	51.112	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	256599	51.214	ug/l	98
56) Ethyl methacrylate	10.43	69	384530	53.192	ug/l	98
57) 1,3-Dichloropropane	10.71	76	435010	50.504	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	970094	281.726	ug/l	99
59) 2-Hexanone	10.76	43	1299795	288.227	ug/l	96
60) Dibromochloromethane	10.90	129	264556	54.885	ug/l	99
61) 1,2-Dibromoethane	11.00	107	241168	51.939	ug/l	99
64) Tetrachloroethene	10.63	164	165768	47.905	ug/l	97
65) Chlorobenzene	11.44	112	613068	49.101	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	247178	54.596	ug/l	99
67) Ethyl Benzene	11.51	91	1118980	52.303	ug/l	100
68) m/p-Xylenes	11.62	106	818119	101.532	ug/l	98
69) o-Xylene	11.95	106	408102	51.508	ug/l	99
70) Styrene	11.97	104	715371	52.403	ug/l	99
71) Bromoform	12.13	173	158045	47.295	ug/l #	98
73) Isopropylbenzene	12.26	105	1139919	54.366	ug/l	99
74) N-amyl acetate	12.08	43	546164	62.265	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	395551	56.334	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	348108m	58.066	ug/l	
77) Bromobenzene	12.53	156	271454	51.468	ug/l	98
78) n-propylbenzene	12.60	91	1316717	55.263	ug/l	99
79) 2-Chlorotoluene	12.68	91	796186	53.469	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	973333	54.896	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	108738	53.523	ug/l	96
82) 4-Chlorotoluene	12.78	91	836250	53.425	ug/l	99
83) tert-Butylbenzene	13.00	119	845101	53.448	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	984574	55.800	ug/l	100
85) sec-Butylbenzene	13.18	105	1109472	53.659	ug/l	100
86) p-Isopropyltoluene	13.30	119	992686	54.004	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	505194	52.443	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	513616	52.225	ug/l	99
89) n-Butylbenzene	13.62	91	887757	50.941	ug/l	99
90) Hexachloroethane	13.88	117	155342	48.295	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	521930	54.012	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	76058	60.168	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
Data File : VN058397.D
Acq On : 26 Sep 2019 20:07
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
9/27/2019 11:20:23 AM

Quant Time: Sep 27 05:57:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	333799	54.065	ug/l	100
94) Hexachlorobutadiene	15.02	225	128591	43.092	ug/l	99
95) Naphthalene	15.13	128	976102	61.004	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	308940	52.941	ug/l	98

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

