

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053172.D
 Acq On : 24 Dec 2018 9:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:53:25 AM

Quant Time: Dec 24 22:43:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	976172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1447940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1322272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	643700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	490227	49.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.98%	
35) Dibromofluoromethane	7.59	113	422882	63.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.88%	
50) Toluene-d8	10.09	98	1831524	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
62) 4-Bromofluorobenzene	12.40	95	655613	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	480385	48.624	ug/l	100
3) Chloromethane	2.06	50	627409	52.406	ug/l	99
4) Vinyl Chloride	2.19	62	595801	49.139	ug/l	99
5) Bromomethane	2.57	94	386383	45.995	ug/l	100
6) Chloroethane	2.71	64	358558	49.932	ug/l	98
7) Trichlorofluoromethane	3.02	101	759009	50.251	ug/l	99
8) Diethyl Ether	3.41	74	292980	51.416	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	495416	51.442	ug/l	99
10) Methyl Iodide	3.96	142	608907	45.023	ug/l	99
11) Tert butyl alcohol	4.77	59	143906	238.080	ug/l	98
12) 1,1-Dichloroethene	3.74	96	456486	49.062	ug/l	98
13) Acrolein	3.61	56	167458	305.539	ug/l	100
14) Allyl chloride	4.32	41	746392	51.790	ug/l	99
15) Acrylonitrile	4.98	53	856129	254.953	ug/l	99
16) Acetone	3.81	43	470551	242.263	ug/l	97
17) Carbon Disulfide	4.06	76	1304662	42.997	ug/l	100
18) Methyl Acetate	4.32	43	467853	53.010	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1268634	50.952	ug/l	99
20) Methylene Chloride	4.55	84	544339	51.377	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	492135	49.231	ug/l	99
22) Diisopropyl ether	5.95	45	1664721	54.115	ug/l	97
23) Vinyl Acetate	5.89	43	4769081	269.602	ug/l	100
24) 1,1-Dichloroethane	5.85	63	949217	51.927	ug/l	99
25) 2-Butanone	6.83	43	855356	262.405	ug/l	99
26) 2,2-Dichloropropane	6.82	77	708210	50.752	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	582393	51.461	ug/l	99
28) Bromochloromethane	7.19	49	397404	50.171	ug/l	98
29) Tetrahydrofuran	7.21	42	627767	257.857	ug/l	99
30) Chloroform	7.37	83	924317	51.473	ug/l	99
31) Cyclohexane	7.65	56	886146	51.724	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	762362	49.836	ug/l	99
36) 1,1-Dichloropropene	7.79	75	727051	52.314	ug/l	99
37) Ethyl Acetate	6.92	43	417663	53.834	ug/l	99
38) Carbon Tetrachloride	7.77	117	665060	52.209	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
 Data File : VN053172.D
 Acq On : 24 Dec 2018 9:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:53:25 AM

Quant Time: Dec 24 22:43:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	870190	51.543	ug/l	98
40) Benzene	8.04	78	2184681	52.848	ug/l	100
41) Methacrylonitrile	7.17	41	271850	60.644	ug/l	90
42) 1,2-Dichloroethane	8.12	62	635153	52.010	ug/l	99
43) Isopropyl Acetate	8.16	43	757310	50.450	ug/l	97
44) Trichloroethene	8.83	130	597168	49.944	ug/l	97
45) 1,2-Dichloropropane	9.12	63	582733	54.120	ug/l	100
46) Dibromomethane	9.21	93	325680	51.922	ug/l	99
47) Bromodichloromethane	9.40	83	709714	53.229	ug/l	100
48) Methyl methacrylate	9.20	41	393565	52.277	ug/l	100
49) 1,4-Dioxane	9.19	88	96225	1010.423	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2056638	273.730	ug/l	99
52) Toluene	10.16	92	1376329	53.715	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	731393	52.166	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	858857	53.368	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	476813	53.341	ug/l	99
56) Ethyl methacrylate	10.43	69	626018	52.911	ug/l	99
57) 1,3-Dichloropropane	10.71	76	824667	53.799	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1603021	246.790	ug/l	99
59) 2-Hexanone	10.75	43	1416778	278.705	ug/l	99
60) Dibromochloromethane	10.90	129	537028	52.484	ug/l	99
61) 1,2-Dibromoethane	11.00	107	477876	52.638	ug/l	99
64) Tetrachloroethene	10.63	164	648403	45.270	ug/l	99
65) Chlorobenzene	11.43	112	1543465	52.658	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	537364	52.720	ug/l	100
67) Ethyl Benzene	11.51	91	2687723	53.320	ug/l	100
68) m/p-Xylenes	11.62	106	2038370	106.372	ug/l	100
69) o-Xylene	11.95	106	995852	54.157	ug/l	100
70) Styrene	11.96	104	1655722	55.220	ug/l	100
71) Bromoform	12.13	173	372847	50.635	ug/l #	99
73) Isopropylbenzene	12.25	105	2644501	52.508	ug/l	99
74) N-amyl acetate	12.07	43	700929	50.128	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	549484	55.612	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	483655m	44.634	ug/l	
77) Bromobenzene	12.53	156	679866	51.931	ug/l	98
78) n-propylbenzene	12.59	91	3048893	53.154	ug/l	99
79) 2-Chlorotoluene	12.67	91	1784400	50.188	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2133628	51.975	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	169447	50.401	ug/l	97
82) 4-Chlorotoluene	12.77	91	1842699	52.944	ug/l	100
83) tert-Butylbenzene	12.99	119	1862748	51.307	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2154573	52.210	ug/l	100
85) sec-Butylbenzene	13.17	105	2505483	51.021	ug/l	99
86) p-Isopropyltoluene	13.29	119	2187758	51.558	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1200424	51.807	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1196323	50.984	ug/l	100
89) n-Butylbenzene	13.62	91	1853297	50.768	ug/l	100
90) Hexachloroethane	13.88	117	345450	53.051	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1125253	51.600	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81109	47.476	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122418\
Data File : VN053172.D
Acq On : 24 Dec 2018 9:19
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:53:25 AM

Quant Time: Dec 24 22:43:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	553672	47.947	ug/l	99
94) Hexachlorobutadiene	15.01	225	354223	59.775	ug/l	99
95) Naphthalene	15.13	128	1137293	45.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	484742	46.626	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN122418\
Data File : VN053172.D
Acq On : 24 Dec 2018 9:19
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:53:25 AM

Quant Time: Dec 24 22:43:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

