

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055475.D
 Acq On : 8 May 2019 7:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:57 AM

Quant Time: May 08 08:49:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	337998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	570355	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	483808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204158	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	236825	53.56	ug/l	0.00
Spiked Amount						
			Recovery	=	107.12%	
35) Dibromofluoromethane	7.59	113	182089	48.64	ug/l	0.00
Spiked Amount						
			Recovery	=	97.28%	
50) Toluene-d8	10.09	98	642430	47.52	ug/l	0.00
Spiked Amount						
			Recovery	=	95.04%	
62) 4-Bromofluorobenzene	12.40	95	220706	52.24	ug/l	0.00
Spiked Amount						
			Recovery	=	104.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	192653	46.521	ug/l	98
3) Chloromethane	2.06	50	210651	41.080	ug/l	99
4) Vinyl Chloride	2.19	62	188786	45.672	ug/l	97
5) Bromomethane	2.57	94	124842	57.019	ug/l	98
6) Chloroethane	2.71	64	105760	47.231	ug/l	98
7) Trichlorofluoromethane	3.02	101	289102	49.187	ug/l	99
8) Diethyl Ether	3.41	74	115455	56.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	171763	49.074	ug/l	99
10) Methyl Iodide	3.96	142	235738	47.859	ug/l	98
11) Tert butyl alcohol	4.79	59	82535	326.020	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	161611	48.403	ug/l	98
13) Acrolein	3.61	56	54319	274.744	ug/l	100
14) Allyl chloride	4.33	41	344991	49.890	ug/l	99
15) Acrylonitrile	4.99	53	430470	302.513	ug/l	100
16) Acetone	3.82	43	329233	238.961	ug/l	100
17) Carbon Disulfide	4.06	76	339555	38.969	ug/l	98
18) Methyl Acetate	4.33	43	231310	69.319	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	561878	59.861	ug/l	98
20) Methylene Chloride	4.56	84	200957	47.785	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	168787	47.733	ug/l	99
22) Diisopropyl ether	5.96	45	798725	58.133	ug/l	98
23) Vinyl Acetate	5.90	43	2662453	295.666	ug/l	99
24) 1,1-Dichloroethane	5.86	63	393936	53.812	ug/l	98
25) 2-Butanone	6.84	43	516048	292.878	ug/l	99
26) 2,2-Dichloropropane	6.83	77	150489	29.769	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	210837	52.431	ug/l	98
28) Bromochloromethane	7.20	49	190102	51.517	ug/l	96
29) Tetrahydrofuran	7.21	42	350297	310.478	ug/l	99
30) Chloroform	7.37	83	375227	54.070	ug/l	98
31) Cyclohexane	7.66	56	324795	46.697	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	302183	53.653	ug/l	98
36) 1,1-Dichloropropene	7.79	75	254780	46.636	ug/l	100
37) Ethyl Acetate	6.93	43	229393	54.787	ug/l	99
38) Carbon Tetrachloride	7.78	117	246318	46.740	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055475.D
 Acq On : 8 May 2019 7:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:16:57 AM

Quant Time: May 08 08:49:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	270513	46.572	ug/l	99
40) Benzene	8.04	78	795176	49.375	ug/l	100
41) Methacrylonitrile	7.17	41	146996	64.648	ug/l	92
42) 1,2-Dichloroethane	8.13	62	300606	52.701	ug/l	99
43) Isopropyl Acetate	8.17	43	401494	59.668	ug/l	98
44) Trichloroethene	8.84	130	199758	48.655	ug/l	99
45) 1,2-Dichloropropane	9.12	63	241085	51.903	ug/l	100
46) Dibromomethane	9.21	93	127183	50.093	ug/l	99
47) Bromodichloromethane	9.40	83	283983	52.138	ug/l	99
48) Methyl methacrylate	9.20	41	197078	59.578	ug/l	97
49) 1,4-Dioxane	9.21	88	38700	1131.753	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1139727	300.845	ug/l	98
52) Toluene	10.16	92	454773	49.215	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	243221	51.439	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	294651	49.980	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	184573	53.790	ug/l	99
56) Ethyl methacrylate	10.43	69	253301	59.974	ug/l	99
57) 1,3-Dichloropropane	10.71	76	324123	53.845	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	249923	193.615	ug/l	100
59) 2-Hexanone	10.75	43	712944	300.775	ug/l	98
60) Dibromochloromethane	10.90	129	191034	54.472	ug/l	100
61) 1,2-Dibromoethane	11.01	107	169309	53.383	ug/l	98
64) Tetrachloroethene	10.63	164	200730	50.735	ug/l	98
65) Chlorobenzene	11.43	112	472366	49.938	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	187160	50.531	ug/l	99
67) Ethyl Benzene	11.51	91	874529	51.198	ug/l	98
68) m/p-Xylenes	11.62	106	624771	102.471	ug/l	99
69) o-Xylene	11.95	106	312249	51.670	ug/l	99
70) Styrene	11.96	104	515038	55.507	ug/l	99
71) Bromoform	12.13	173	114355	55.641	ug/l #	98
73) Isopropylbenzene	12.25	105	849555	52.452	ug/l	99
74) N-amyl acetate	12.07	43	293320	55.983	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222559	55.361	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	195937m	51.720	ug/l	
77) Bromobenzene	12.53	156	201152	51.726	ug/l	98
78) n-propylbenzene	12.59	91	947427	45.177	ug/l	100
79) 2-Chlorotoluene	12.67	91	580150	52.571	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	702660	43.902	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41695	38.703	ug/l	92
82) 4-Chlorotoluene	12.77	91	560418	45.961	ug/l	98
83) tert-Butylbenzene	12.99	119	618337	54.864	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	683686	47.762	ug/l	100
85) sec-Butylbenzene	13.17	105	808208	46.459	ug/l	99
86) p-Isopropyltoluene	13.29	119	693146	48.478	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	329762	48.270	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	322081	50.063	ug/l	99
89) n-Butylbenzene	13.61	91	541516	53.298	ug/l	99
90) Hexachloroethane	13.87	117	114663	50.669	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	342604	50.598	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31714	59.046	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
Data File : VN055475.D
Acq On : 8 May 2019 7:51
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:16:57 AM

Quant Time: May 08 08:49:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	157444	58.387	ug/l	99
94) Hexachlorobutadiene	15.01	225	119306	59.064	ug/l	97
95) Naphthalene	15.13	128	315571	55.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	167883	63.138	ug/l	99

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

