

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055977.D
 Acq On : 4 Jun 2019 9:12
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:03:30 PM

Quant Time: Jun 04 10:08:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 10:05:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	330533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	478942	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	425765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	177794	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	70990	21.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.44%	
35) Dibromofluoromethane	7.59	113	62326	21.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.50%	
50) Toluene-d8	10.09	98	239439	21.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.62%	
62) 4-Bromofluorobenzene	12.40	95	78923	21.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	76116	26.782	ug/l	100
3) Chloromethane	2.06	50	78844	23.196	ug/l	98
4) Vinyl Chloride	2.18	62	78667	23.099	ug/l	100
5) Bromomethane	2.55	94	53251	20.576	ug/l	97
6) Chloroethane	2.69	64	45112	21.438	ug/l	94
7) Trichlorofluoromethane	3.01	101	94544	20.724	ug/l	99
8) Diethyl Ether	3.40	74	38942	20.337	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58611	21.177	ug/l	99
10) Methyl Iodide	3.94	142	89611	21.427	ug/l	99
11) Tert butyl alcohol	4.81	59	62058	108.575	ug/l	97
12) 1,1-Dichloroethene	3.72	96	57942	21.540	ug/l	97
13) Acrolein	3.61	56	16436	100.962	ug/l	100
14) Allyl chloride	4.31	41	89188	21.177	ug/l	98
15) Acrylonitrile	4.99	53	145334	110.931	ug/l	100
16) Acetone	3.82	43	168748	104.938	ug/l	97
17) Carbon Disulfide	4.04	76	132065	22.276	ug/l	100
18) Methyl Acetate	4.33	43	64023	16.717	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	182037	20.705	ug/l	98
20) Methylene Chloride	4.54	84	66584	20.430	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	61216	20.980	ug/l	99
22) Diisopropyl ether	5.95	45	183075	20.402	ug/l	94
23) Vinyl Acetate	5.90	43	744232	112.784	ug/l	100
24) 1,1-Dichloroethane	5.84	63	108368	20.840	ug/l	99
25) 2-Butanone	6.84	43	209409	110.082	ug/l	99
26) 2,2-Dichloropropane	6.82	77	82812	20.587	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	72174	20.857	ug/l	97
28) Bromochloromethane	7.19	49	52164	21.470	ug/l	98
29) Tetrahydrofuran	7.22	42	126275	106.151	ug/l	99
30) Chloroform	7.37	83	108446	20.761	ug/l	100
31) Cyclohexane	7.65	56	105287	19.051	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	90754	21.422	ug/l	100
36) 1,1-Dichloropropene	7.79	75	79585	19.141	ug/l	99
37) Ethyl Acetate	6.93	43	75620	21.813	ug/l	100
38) Carbon Tetrachloride	7.77	117	75835	20.568	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055977.D
 Acq On : 4 Jun 2019 9:12
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/5/2019 4:03:30 PM

Quant Time: Jun 04 10:08:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 10:05:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	102569	20.174	ug/l	99
40) Benzene	8.04	78	255739	20.560	ug/l	99
41) Methacrylonitrile	7.17	41	34248	21.260	ug/l	90
42) 1,2-Dichloroethane	8.12	62	82738	20.095	ug/l	99
43) Isopropyl Acetate	8.17	43	118976	21.262	ug/l	99
44) Trichloroethene	8.83	130	72310	20.059	ug/l	97
45) 1,2-Dichloropropane	9.12	63	66310	20.844	ug/l	98
46) Dibromomethane	9.21	93	42450	20.621	ug/l	98
47) Bromodichloromethane	9.40	83	76080	21.377	ug/l	99
48) Methyl methacrylate	9.20	41	58738	21.082	ug/l	98
49) 1,4-Dioxane	9.20	88	25459	422.464	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	371547	103.377	ug/l	99
52) Toluene	10.15	92	160441	21.157	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	78697	22.972	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	93885	22.837	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	63404	21.065	ug/l	99
56) Ethyl methacrylate	10.43	69	88620	21.411	ug/l	98
57) 1,3-Dichloropropane	10.71	76	102858	21.106	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	150174	108.887	ug/l	99
59) 2-Hexanone	10.75	43	269918	103.903	ug/l	100
60) Dibromochloromethane	10.90	129	59341	23.232	ug/l	98
61) 1,2-Dibromoethane	11.00	107	63491	21.341	ug/l	97
64) Tetrachloroethene	10.63	164	73768	18.847	ug/l	99
65) Chlorobenzene	11.43	112	169393	19.782	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	60162	21.758	ug/l	99
67) Ethyl Benzene	11.51	91	299211	20.398	ug/l	98
68) m/p-Xylenes	11.62	106	228528	41.287	ug/l	99
69) o-Xylene	11.95	106	112344	20.380	ug/l	99
70) Styrene	11.96	104	178377	21.901	ug/l	99
71) Bromoform	12.13	173	39729	22.665	ug/l #	98
73) Isopropylbenzene	12.25	105	295026	18.212	ug/l	100
74) N-amyl acetate	12.07	43	96646	19.255	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	84275	18.314	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69552m	18.271	ug/l	
77) Bromobenzene	12.53	156	76701	18.407	ug/l	97
78) n-propylbenzene	12.59	91	303665	18.783	ug/l	99
79) 2-Chlorotoluene	12.67	91	190108	17.851	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	242597	18.223	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17944	20.880	ug/l #	80
82) 4-Chlorotoluene	12.77	91	177914	19.074	ug/l	99
83) tert-Butylbenzene	12.99	119	215546	17.832	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	234635	19.367	ug/l	99
85) sec-Butylbenzene	13.17	105	273208	18.734	ug/l	99
86) p-Isopropyltoluene	13.29	119	245448	19.383	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	120010	19.891	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	113106	19.676	ug/l	99
89) n-Butylbenzene	13.61	91	173038	19.971	ug/l	100
90) Hexachloroethane	13.87	117	35227	19.413	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	123160	19.661	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12658	23.153	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
Data File : VN055977.D
Acq On : 4 Jun 2019 9:12
Operator : JC/SP
Sample : VSTDICC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:03:30 PM

Quant Time: Jun 04 10:08:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 10:05:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51501	23.493	ug/l	99
94) Hexachlorobutadiene	15.01	225	45960	17.600	ug/l	99
95) Naphthalene	15.13	128	134398	23.901	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	57987	23.398	ug/l	99

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
Data File : VN055977.D
Acq On : 4 Jun 2019 9:12
Operator : JC/SP
Sample : VSTDIC020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

MMDadoda
6/5/2019 4:03:30 PM

Quant Time: Jun 04 10:08:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 10:05:37 2019
Response via : Initial Calibration

