

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055111.D
 Acq On : 17 Apr 2019 17:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:21:37 PM

Quant Time: Apr 18 08:51:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	380945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	615294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241858	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	252973	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	207540	50.47	ug/l	0.00
Spiked Amount			Recovery	=	100.94%	
50) Toluene-d8	10.09	98	755437	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	262628	54.89	ug/l	0.00
Spiked Amount			Recovery	=	109.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	200696	46.358	ug/l	99
3) Chloromethane	2.06	50	260035	46.051	ug/l	100
4) Vinyl Chloride	2.19	62	219095	46.163	ug/l	97
5) Bromomethane	2.55	94	116022	43.211	ug/l	98
6) Chloroethane	2.70	64	118560	46.322	ug/l	98
7) Trichlorofluoromethane	3.01	101	279344	47.062	ug/l	100
8) Diethyl Ether	3.41	74	89299	47.131	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	142607	45.909	ug/l	98
10) Methyl Iodide	3.94	142	214673	44.534	ug/l	99
11) Tert butyl alcohol	4.83	59	85264	307.192	ug/l	97
12) 1,1-Dichloroethene	3.72	96	135219	44.722	ug/l	99
13) Acrolein	3.60	56	90297	263.196	ug/l	98
14) Allyl chloride	4.31	41	371030	50.132	ug/l	98
15) Acrylonitrile	4.99	53	459676	276.807	ug/l	99
16) Acetone	3.82	43	332704	242.076	ug/l	100
17) Carbon Disulfide	4.03	76	419924	43.024	ug/l	99
18) Methyl Acetate	4.33	43	225827	57.072	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	571482	52.837	ug/l	98
20) Methylene Chloride	4.54	84	227640	47.117	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	189981	46.457	ug/l	92
22) Diisopropyl ether	5.96	45	778511	51.169	ug/l	98
23) Vinyl Acetate	5.90	43	2871175	285.504	ug/l	100
24) 1,1-Dichloroethane	5.84	63	397502	49.062	ug/l	99
25) 2-Butanone	6.85	43	589970	287.616	ug/l	98
26) 2,2-Dichloropropane	6.82	77	263724	51.572	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	228917	49.480	ug/l	99
28) Bromochloromethane	7.19	49	185318	47.450	ug/l	99
29) Tetrahydrofuran	7.22	42	380612	282.953	ug/l	99
30) Chloroform	7.37	83	387627	49.254	ug/l	100
31) Cyclohexane	7.65	56	358757	50.087	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	311418	49.946	ug/l	100
36) 1,1-Dichloropropene	7.79	75	281229	48.485	ug/l	100
37) Ethyl Acetate	6.94	43	254307	53.855	ug/l	100
38) Carbon Tetrachloride	7.77	117	258261	46.800	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
 Data File : VN055111.D
 Acq On : 17 Apr 2019 17:29
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:21:37 PM

Quant Time: Apr 18 08:51:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	301515	47.971	ug/l	99
40) Benzene	8.04	78	858627	49.117	ug/l	99
41) Methacrylonitrile	7.17	41	141386	53.939	ug/l	97
42) 1,2-Dichloroethane	8.12	62	306904	50.565	ug/l	99
43) Isopropyl Acetate	8.17	43	412771	56.729	ug/l	99
44) Trichloroethene	8.83	130	218237	49.841	ug/l	99
45) 1,2-Dichloropropane	9.12	63	247990	50.867	ug/l	99
46) Dibromomethane	9.21	93	144484	52.067	ug/l	99
47) Bromodichloromethane	9.40	83	287822	50.308	ug/l	99
48) Methyl methacrylate	9.20	41	209501	58.091	ug/l	99
49) 1,4-Dioxane	9.21	88	46029	1362.277	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1236255	294.094	ug/l	99
52) Toluene	10.16	92	515439	51.481	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	283390	56.680	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	340810	54.921	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	200211	51.902	ug/l	99
56) Ethyl methacrylate	10.43	69	275112	59.426	ug/l	99
57) 1,3-Dichloropropane	10.71	76	346788	52.802	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	529862	260.128	ug/l	99
59) 2-Hexanone	10.75	43	777325	294.413	ug/l	100
60) Dibromochloromethane	10.90	129	207475	55.080	ug/l	99
61) 1,2-Dibromoethane	11.01	107	195138	54.961	ug/l	100
64) Tetrachloroethene	10.63	164	204709	45.999	ug/l	96
65) Chlorobenzene	11.43	112	541580	49.162	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	201735	49.790	ug/l	99
67) Ethyl Benzene	11.51	91	979959	49.812	ug/l	100
68) m/p-Xylenes	11.62	106	729008	102.333	ug/l	100
69) o-Xylene	11.95	106	359481	52.100	ug/l	98
70) Styrene	11.96	104	602100	53.909	ug/l	99
71) Bromoform	12.13	173	133318	57.406	ug/l #	98
73) Isopropylbenzene	12.25	105	940399	43.817	ug/l	99
74) N-amyl acetate	12.07	43	335801	55.582	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	268460	46.747	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	232393m	53.434	ug/l	
77) Bromobenzene	12.53	156	237935	44.469	ug/l	99
78) n-propylbenzene	12.59	91	1054188	45.463	ug/l	100
79) 2-Chlorotoluene	12.67	91	644730	44.578	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	793403	45.810	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	59913	55.087	ug/l	96
82) 4-Chlorotoluene	12.77	91	630613	46.734	ug/l	99
83) tert-Butylbenzene	12.99	119	665858	45.523	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	781829	47.633	ug/l	100
85) sec-Butylbenzene	13.17	105	866181	46.474	ug/l	100
86) p-Isopropyltoluene	13.29	119	760701	47.573	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	397502	48.877	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	383399	49.437	ug/l	99
89) n-Butylbenzene	13.61	91	630550	53.120	ug/l	99
90) Hexachloroethane	13.87	117	122257	46.990	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	398878	48.747	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36773	52.000	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041719\
Data File : VN055111.D
Acq On : 17 Apr 2019 17:29
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/19/2019 12:21:37 PM

Quant Time: Apr 18 08:51:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	182638	49.280	ug/l	99
94) Hexachlorobutadiene	15.01	225	127525	50.458	ug/l	99
95) Naphthalene	15.13	128	414329	47.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	187961	59.544	ug/l	99

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

