

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055838.D
 Acq On : 28 May 2019 8:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:53:10 AM

Quant Time: May 28 17:48:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	385836	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	541357	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	484066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	188743	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
35) Dibromofluoromethane	7.59	113	172084	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.09	98	655356	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.40	95	224952	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	117141	45.111	ug/l	99
3) Chloromethane	2.06	50	157831	43.381	ug/l	99
4) Vinyl Chloride	2.18	62	170894	44.039	ug/l	99
5) Bromomethane	2.52	94	105329	43.386	ug/l	100
6) Chloroethane	2.67	64	108017	46.233	ug/l	97
7) Trichlorofluoromethane	3.00	101	235039	46.199	ug/l	98
8) Diethyl Ether	3.40	74	101519	44.522	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	152818	48.120	ug/l	100
10) Methyl Iodide	3.94	142	229175	49.359	ug/l	99
11) Tert butyl alcohol	4.81	59	161700	212.393	ug/l	100
12) 1,1-Dichloroethene	3.72	96	150894	45.984	ug/l	97
13) Acrolein	3.60	56	112867	207.042	ug/l	99
14) Allyl chloride	4.31	41	255369	45.396	ug/l	99
15) Acrylonitrile	4.99	53	393989	225.368	ug/l	99
16) Acetone	3.82	43	495904	283.123	ug/l	99
17) Carbon Disulfide	4.03	76	402982	43.225	ug/l	100
18) Methyl Acetate	4.32	43	165595	46.414	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	507360	46.359	ug/l	99
20) Methylene Chloride	4.54	84	173752	45.805	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	163617	46.412	ug/l	99
22) Diisopropyl ether	5.95	45	512066	46.802	ug/l	99
23) Vinyl Acetate	5.89	43	2166102	230.910	ug/l	100
24) 1,1-Dichloroethane	5.84	63	291504	45.760	ug/l	99
25) 2-Butanone	6.84	43	593606	242.667	ug/l	100
26) 2,2-Dichloropropane	6.82	77	255786	46.396	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	195254	47.473	ug/l	98
28) Bromochloromethane	7.19	49	145069	47.831	ug/l	98
29) Tetrahydrofuran	7.21	42	340051	219.516	ug/l	99
30) Chloroform	7.37	83	298380	46.967	ug/l	99
31) Cyclohexane	7.64	56	274441	45.887	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	264172	46.598	ug/l	99
36) 1,1-Dichloropropene	7.79	75	223697	47.417	ug/l	99
37) Ethyl Acetate	6.93	43	214840	47.117	ug/l	98
38) Carbon Tetrachloride	7.77	117	234774	47.775	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055838.D
 Acq On : 28 May 2019 8:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 9:53:10 AM

Quant Time: May 28 17:48:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287279	49.174	ug/l	99
40) Benzene	8.04	78	691000	48.599	ug/l	100
41) Methacrylonitrile	7.17	41	112531	48.851	ug/l	96
42) 1,2-Dichloroethane	8.12	62	220474	47.454	ug/l	100
43) Isopropyl Acetate	8.16	43	352699	46.038	ug/l #	92
44) Trichloroethene	8.83	130	201400	50.810	ug/l	99
45) 1,2-Dichloropropane	9.12	63	182986	49.396	ug/l	98
46) Dibromomethane	9.21	93	118955	48.964	ug/l	99
47) Bromodichloromethane	9.40	83	239660	48.109	ug/l	100
48) Methyl methacrylate	9.20	41	165730	46.939	ug/l	98
49) 1,4-Dioxane	9.20	88	68105	928.209	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1043155	230.552	ug/l	100
52) Toluene	10.15	92	444307	49.686	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	262400	49.347	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	294429	49.982	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	174920	48.828	ug/l	98
56) Ethyl methacrylate	10.43	69	267551	48.325	ug/l	100
57) 1,3-Dichloropropane	10.71	76	285743	49.071	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	486277	229.831	ug/l	100
59) 2-Hexanone	10.75	43	754232	234.978	ug/l	100
60) Dibromochloromethane	10.90	129	207098	49.625	ug/l	99
61) 1,2-Dibromoethane	11.00	107	182672	49.161	ug/l	99
64) Tetrachloroethene	10.63	164	204812	50.166	ug/l	99
65) Chlorobenzene	11.43	112	481810	49.720	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	187731	48.573	ug/l	100
67) Ethyl Benzene	11.51	91	842660	48.491	ug/l	98
68) m/p-Xylenes	11.62	106	649407	98.850	ug/l	99
69) o-Xylene	11.95	106	315092	48.342	ug/l	100
70) Styrene	11.96	104	527889	50.012	ug/l	100
71) Bromoform	12.12	173	158288	48.015	ug/l #	99
73) Isopropylbenzene	12.25	105	846184	54.360	ug/l	100
74) N-amyl acetate	12.07	43	284507	47.702	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	228100	49.212	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	185627m	48.989	ug/l	
77) Bromobenzene	12.53	156	221860	47.308	ug/l	96
78) n-propylbenzene	12.59	91	912651	47.780	ug/l	99
79) 2-Chlorotoluene	12.67	91	537597	52.372	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	690968	52.645	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	74181	45.415	ug/l	99
82) 4-Chlorotoluene	12.77	91	528793	47.095	ug/l	100
83) tert-Butylbenzene	12.99	119	610514	53.910	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	681113	51.936	ug/l	98
85) sec-Butylbenzene	13.17	105	793063	53.784	ug/l	100
86) p-Isopropyltoluene	13.29	119	731669	47.940	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	358516	48.279	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	344174	48.749	ug/l	99
89) n-Butylbenzene	13.61	91	574192	49.101	ug/l	99
90) Hexachloroethane	13.87	117	133594	45.987	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	352694	47.605	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	41171	42.279	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
Data File : VN055838.D
Acq On : 28 May 2019 8:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:53:10 AM

Quant Time: May 28 17:48:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	199958	47.135	ug/l	100
94) Hexachlorobutadiene	15.01	225	138246	53.136	ug/l	99
95) Naphthalene	15.13	128	511521	50.315	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	209429	53.476	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052819\
Data File : VN055838.D
Acq On : 28 May 2019 8:57
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/29/2019 9:53:10 AM

Quant Time: May 28 17:48:04 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

