

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059436.D
 Acq On : 29 Nov 2019 10:12
 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

apatel
 12/2/2019 10:38:48 AM

Quant Time: Nov 29 22:34:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	382201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	590209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	527099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	245912	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	220409	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	7.57	113	183341	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
50) Toluene-d8	10.08	98	722002	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.40	95	255353	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	201922	44.887	ug/l	99
3) Chloromethane	2.04	50	239063	43.507	ug/l	98
4) Vinyl Chloride	2.17	62	230948	43.738	ug/l	99
5) Bromomethane	2.55	94	135060	42.482	ug/l	99
6) Chloroethane	2.68	64	130351	44.029	ug/l	100
7) Trichlorofluoromethane	3.00	101	272406	43.312	ug/l	97
8) Diethyl Ether	3.38	74	112657	44.012	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	170378	43.985	ug/l	99
10) Methyl Iodide	3.93	142	225648	44.755	ug/l	99
11) Tert butyl alcohol	4.76	59	168263	216.949	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	168523	44.424	ug/l	99
13) Acrolein	3.58	56	127561	168.485	ug/l	97
14) Allyl chloride	4.29	41	307499	43.706	ug/l	99
15) Acrylonitrile	4.95	53	468642	216.845	ug/l	100
16) Acetone	3.79	43	563603	264.245	ug/l	99
17) Carbon Disulfide	4.03	76	541544	41.600	ug/l	99
18) Methyl Acetate	4.29	43	232031	39.948	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	552977	45.236	ug/l	98
20) Methylene Chloride	4.52	84	185594	42.824	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	181474	43.908	ug/l	100
22) Diisopropyl ether	5.92	45	593885	45.424	ug/l	100
23) Vinyl Acetate	5.86	43	2443995	231.705	ug/l	99
24) 1,1-Dichloroethane	5.82	63	337740	44.897	ug/l	99
25) 2-Butanone	6.81	43	682131	232.477	ug/l	100
26) 2,2-Dichloropropane	6.80	77	286248	44.714	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	201224	44.516	ug/l	100
28) Bromochloromethane	7.17	49	170528	52.905	ug/l	98
29) Tetrahydrofuran	7.18	42	420649	215.555	ug/l	99
30) Chloroform	7.35	83	332534	43.929	ug/l	99
31) Cyclohexane	7.63	56	321534	42.637	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	275124	44.444	ug/l	100
36) 1,1-Dichloropropene	7.77	75	255709	45.053	ug/l	99
37) Ethyl Acetate	6.90	43	258006	42.965	ug/l	98
38) Carbon Tetrachloride	7.75	117	244924	45.725	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059436.D
 Acq On : 29 Nov 2019 10:12
 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

apatel
 12/2/2019 10:38:48 AM

Quant Time: Nov 29 22:34:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	312880	46.078	ug/l	99
40) Benzene	8.02	78	756784	44.907	ug/l	99
41) Methacrylonitrile	7.16	41	125077m	44.731	ug/l	
42) 1,2-Dichloroethane	8.10	62	242348	45.353	ug/l	100
43) Isopropyl Acetate	8.14	43	410221	44.968	ug/l	99
44) Trichloroethene	8.82	130	195557	45.510	ug/l	99
45) 1,2-Dichloropropane	9.10	63	201826	45.787	ug/l	99
46) Dibromomethane	9.19	93	121712	44.744	ug/l	99
47) Bromodichloromethane	9.39	83	249669	45.380	ug/l	97
48) Methyl methacrylate	9.18	41	181504	44.846	ug/l	99
49) 1,4-Dioxane	9.19	88	61296	1036.972	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1221497	230.844	ug/l	100
52) Toluene	10.15	92	459776	45.667	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	290138	45.894	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	318994	46.742	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	176608	44.817	ug/l	100
56) Ethyl methacrylate	10.42	69	271932	49.222	ug/l	99
57) 1,3-Dichloropropane	10.70	76	308235	45.256	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	347881	206.035	ug/l	99
59) 2-Hexanone	10.74	43	928692	236.687	ug/l	100
60) Dibromochloromethane	10.90	129	194156	47.200	ug/l	99
61) 1,2-Dibromoethane	11.00	107	182070	45.088	ug/l	100
64) Tetrachloroethene	10.63	164	174476	44.752	ug/l	98
65) Chlorobenzene	11.43	112	479581	44.943	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	177975	45.992	ug/l	100
67) Ethyl Benzene	11.51	91	871425	46.493	ug/l	100
68) m/p-Xylenes	11.62	106	646818	92.430	ug/l	100
69) o-Xylene	11.95	106	306178	45.622	ug/l	98
70) Styrene	11.96	104	499129	49.569	ug/l	100
71) Bromoform	12.13	173	136384	46.286	ug/l #	100
73) Isopropylbenzene	12.25	105	828643	45.486	ug/l	99
74) N-amyl acetate	12.07	43	317215	49.378	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	258815	43.565	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	246771m	44.358	ug/l	
77) Bromobenzene	12.53	156	202341	45.366	ug/l	99
78) n-propylbenzene	12.59	91	968054	46.113	ug/l	100
79) 2-Chlorotoluene	12.67	91	563945	44.932	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	702589	45.881	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	96005	44.342	ug/l	99
82) 4-Chlorotoluene	12.77	91	583052	45.150	ug/l	100
83) tert-Butylbenzene	12.99	119	595552	45.292	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	694587	46.302	ug/l	100
85) sec-Butylbenzene	13.17	105	801222	45.885	ug/l	100
86) p-Isopropyltoluene	13.29	119	725672	45.969	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	354415	44.838	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	347351	43.772	ug/l	99
89) n-Butylbenzene	13.62	91	628950	45.578	ug/l	100
90) Hexachloroethane	13.88	117	132559	43.934	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	340944	44.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48603	47.851	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
Data File : VN059436.D
Acq On : 29 Nov 2019 10:12
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

apatel
12/2/2019 10:38:48 AM

Quant Time: Nov 29 22:34:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 16:56:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	202370	42.034	ug/l	100
94) Hexachlorobutadiene	15.01	225	124297	42.128	ug/l	100
95) Naphthalene	15.13	128	518889	48.733	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	202025	49.528	ug/l	99

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

