

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060298.D
 Acq On : 2 Mar 2020 9:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 10:04:31 AM

Quant Time: Mar 03 05:51:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	227320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	365720	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	341081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	142946	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	7.56	113	89504	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.08	98	420181	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	158941	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96929	46.507	ug/l	99
3) Chloromethane	2.04	50	164488	45.331	ug/l	100
4) Vinyl Chloride	2.16	62	135545	43.556	ug/l	100
5) Bromomethane	2.54	94	55540	44.053	ug/l	97
6) Chloroethane	2.68	64	75772	44.940	ug/l	97
7) Trichlorofluoromethane	3.00	101	176120	44.296	ug/l	100
8) Diethyl Ether	3.38	74	70526	46.980	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	102225	45.430	ug/l	100
10) Methyl Iodide	3.93	142	99984	48.687	ug/l	99
11) Tert butyl alcohol	4.72	59	106979	247.025	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	100347	45.942	ug/l	97
13) Acrolein	3.57	56	103689	256.646	ug/l	100
14) Allyl chloride	4.29	41	174891	43.433	ug/l	91
15) Acrylonitrile	4.94	53	287448	251.818	ug/l	100
16) Acetone	3.78	43	213640	226.832	ug/l	99
17) Carbon Disulfide	4.03	76	265499	45.751	ug/l	100
18) Methyl Acetate	4.29	43	148699	47.310	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	379457	47.856	ug/l	99
20) Methylene Chloride	4.52	84	116262	44.948	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	106184	45.213	ug/l	96
22) Diisopropyl ether	5.91	45	397832	48.775	ug/l	99
23) Vinyl Acetate	5.86	43	1639035	252.885	ug/l	99
24) 1,1-Dichloroethane	5.81	63	215554	46.687	ug/l	99
25) 2-Butanone	6.80	43	378454	248.770	ug/l	100
26) 2,2-Dichloropropane	6.79	77	194817	46.349	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	129785	43.272	ug/l	99
28) Bromochloromethane	7.17	49	88561	46.718	ug/l	98
29) Tetrahydrofuran	7.18	42	258728	244.573	ug/l	100
30) Chloroform	7.35	83	215518	46.891	ug/l	99
31) Cyclohexane	7.63	56	188060	47.668	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	187351	46.007	ug/l	100
36) 1,1-Dichloropropene	7.77	75	157521	45.193	ug/l	99
37) Ethyl Acetate	6.89	43	164274	49.775	ug/l	100
38) Carbon Tetrachloride	7.75	117	157878	46.523	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060298.D
 Acq On : 2 Mar 2020 9:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 10:04:31 AM

Quant Time: Mar 03 05:51:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	189932	46.217	ug/l	98
40) Benzene	8.02	78	473656	46.690	ug/l	100
41) Methacrylonitrile	7.15	41	78237m	51.341	ug/l	
42) 1,2-Dichloroethane	8.10	62	175480	47.935	ug/l	100
43) Isopropyl Acetate	8.14	43	292162	50.566	ug/l	99
44) Trichloroethene	8.81	130	128008	45.306	ug/l	99
45) 1,2-Dichloropropane	9.10	63	129366	48.774	ug/l	98
46) Dibromomethane	9.19	93	82399	47.878	ug/l	99
47) Bromodichloromethane	9.38	83	172476	49.275	ug/l	98
48) Methyl methacrylate	9.18	41	129355	49.096	ug/l	99
49) 1,4-Dioxane	9.18	88	37574	1014.098	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	839029	256.122	ug/l	99
52) Toluene	10.14	92	298474	46.837	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	202670	47.253	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	214417	48.245	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	120373	46.972	ug/l	98
56) Ethyl methacrylate	10.42	69	189366	51.435	ug/l	99
57) 1,3-Dichloropropane	10.70	76	204394	48.907	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	481065	249.833	ug/l	99
59) 2-Hexanone	10.74	43	623008	259.021	ug/l	99
60) Dibromochloromethane	10.89	129	128704	49.385	ug/l	100
61) 1,2-Dibromoethane	10.99	107	122191	48.912	ug/l	99
64) Tetrachloroethene	10.62	164	134048	49.913	ug/l	100
65) Chlorobenzene	11.43	112	312445	45.365	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	120820	47.445	ug/l	100
67) Ethyl Benzene	11.50	91	585570	46.687	ug/l	99
68) m/p-Xylenes	11.61	106	435798	92.094	ug/l	100
69) o-Xylene	11.94	106	212453	47.081	ug/l	100
70) Styrene	11.96	104	348570	46.983	ug/l	99
71) Bromoform	12.12	173	93870	51.147	ug/l #	100
73) Isopropylbenzene	12.24	105	573520	46.998	ug/l	99
74) N-amyl acetate	12.06	43	262457	49.219	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	163984	49.436	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	156452m	43.312	ug/l	
77) Bromobenzene	12.52	156	139921	46.776	ug/l	99
78) n-propylbenzene	12.59	91	671008	46.910	ug/l	100
79) 2-Chlorotoluene	12.67	91	389833	46.363	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	490189	47.710	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	67335	51.457	ug/l #	62
82) 4-Chlorotoluene	12.77	91	409364	46.210	ug/l	99
83) tert-Butylbenzene	12.99	119	413066	46.435	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	485233	46.790	ug/l	100
85) sec-Butylbenzene	13.17	105	561202	47.112	ug/l	100
86) p-Isopropyltoluene	13.28	119	513639	46.587	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	249555	48.547	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	249120	48.735	ug/l	100
89) n-Butylbenzene	13.61	91	467176	46.159	ug/l	99
90) Hexachloroethane	13.87	117	75547	47.339	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	240195	45.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	35223	46.891	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
Data File : VN060298.D
Acq On : 2 Mar 2020 9:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
3/3/2020 10:04:31 AM

Quant Time: Mar 03 05:51:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	156481	46.989	ug/l	99
94) Hexachlorobutadiene	15.01	225	76392	49.896	ug/l	100
95) Naphthalene	15.13	128	457101	46.577	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147214	46.923	ug/l	99

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

