

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060811.D
 Acq On : 1 Apr 2020 15:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:58 AM

Quant Time: Apr 02 09:26:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	325198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148677	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	127206	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	7.56	113	96851	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.08	98	385421	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	145609	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	82040	43.124	ug/l	100
3) Chloromethane	2.04	50	142764	40.180	ug/l	98
4) Vinyl Chloride	2.17	62	113734	40.925	ug/l	98
5) Bromomethane	2.54	94	56909	47.437	ug/l	98
6) Chloroethane	2.68	64	72025	44.991	ug/l	100
7) Trichlorofluoromethane	3.00	101	154881	45.242	ug/l	98
8) Diethyl Ether	3.38	74	65796	47.843	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95619	48.203	ug/l	99
10) Methyl Iodide	3.93	142	83777	47.462	ug/l	99
11) Tert butyl alcohol	4.72	59	96399	242.851	ug/l	99
12) 1,1-Dichloroethene	3.71	96	93194	43.779	ug/l	96
13) Acrolein	3.57	56	105889	240.693	ug/l	99
14) Allyl chloride	4.29	41	172795	46.153	ug/l	99
15) Acrylonitrile	4.94	53	279948	239.834	ug/l	100
16) Acetone	3.77	43	235558	246.383	ug/l	99
17) Carbon Disulfide	4.03	76	268718	41.507	ug/l	100
18) Methyl Acetate	4.28	43	131511	48.869	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	340538	46.529	ug/l	98
20) Methylene Chloride	4.52	84	108560	46.159	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	102731	45.281	ug/l	100
22) Diisopropyl ether	5.91	45	384839	48.653	ug/l	98
23) Vinyl Acetate	5.85	43	1593939	246.979	ug/l	99
24) 1,1-Dichloroethane	5.81	63	204204	47.357	ug/l	99
25) 2-Butanone	6.79	43	373671	241.534	ug/l	99
26) 2,2-Dichloropropane	6.79	77	173510	51.143	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	119769	46.455	ug/l	98
28) Bromochloromethane	7.17	49	98512	47.750	ug/l	99
29) Tetrahydrofuran	7.17	42	253004	231.135	ug/l	99
30) Chloroform	7.34	83	196819	47.612	ug/l	98
31) Cyclohexane	7.63	56	190268	43.768	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	166932	46.844	ug/l	99
36) 1,1-Dichloropropene	7.77	75	149972	47.626	ug/l	100
37) Ethyl Acetate	6.89	43	160372	47.134	ug/l	100
38) Carbon Tetrachloride	7.75	117	134551	47.675	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060811.D
 Acq On : 1 Apr 2020 15:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:58 AM

Quant Time: Apr 02 09:26:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	181468	48.494	ug/l	99
40) Benzene	8.02	78	451118	47.457	ug/l	100
41) Methacrylonitrile	7.14	41	69932m	48.160	ug/l	
42) 1,2-Dichloroethane	8.10	62	154758	47.638	ug/l	100
43) Isopropyl Acetate	8.14	43	269026	47.943	ug/l	100
44) Trichloroethene	8.82	130	112545	46.966	ug/l	98
45) 1,2-Dichloropropane	9.10	63	122993	49.035	ug/l	98
46) Dibromomethane	9.19	93	73590	48.529	ug/l	99
47) Bromodichloromethane	9.38	83	153737	48.788	ug/l	100
48) Methyl methacrylate	9.18	41	122538	49.048	ug/l	99
49) 1,4-Dioxane	9.18	88	33863	1140.337	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	788479	246.932	ug/l	100
52) Toluene	10.14	92	271871	47.357	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	180430	49.848	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	194522	48.987	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	106195	48.083	ug/l	99
56) Ethyl methacrylate	10.42	69	169751	49.293	ug/l	98
57) 1,3-Dichloropropane	10.70	76	185859	48.494	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	401563	234.617	ug/l	100
59) 2-Hexanone	10.74	43	570316	247.946	ug/l	99
60) Dibromochloromethane	10.89	129	113721	49.848	ug/l	99
61) 1,2-Dibromoethane	10.99	107	108258	48.746	ug/l	99
64) Tetrachloroethene	10.62	164	105303	44.761	ug/l	99
65) Chlorobenzene	11.43	112	282047	47.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	104209	48.564	ug/l	98
67) Ethyl Benzene	11.50	91	532043	48.274	ug/l	100
68) m/p-Xylenes	11.62	106	389882	95.195	ug/l	98
69) o-Xylene	11.94	106	186649	47.740	ug/l	99
70) Styrene	11.96	104	312746	48.910	ug/l	100
71) Bromoform	12.12	173	80799	45.463	ug/l #	99
73) Isopropylbenzene	12.25	105	508118	45.540	ug/l	100
74) N-amyl acetate	12.06	43	232568	45.108	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	156153	46.279	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	130784m	40.766	ug/l	
77) Bromobenzene	12.52	156	120271	44.734	ug/l	99
78) n-propylbenzene	12.59	91	607913	46.117	ug/l	100
79) 2-Chlorotoluene	12.67	91	351829	44.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	433200	45.751	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58359	46.720	ug/l	99
82) 4-Chlorotoluene	12.77	91	365745	45.594	ug/l	99
83) tert-Butylbenzene	12.99	119	357531	45.550	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	427760	45.665	ug/l	99
85) sec-Butylbenzene	13.17	105	496484	47.038	ug/l	100
86) p-Isopropyltoluene	13.29	119	448416	47.245	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	219872	46.368	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	217407	45.634	ug/l	99
89) n-Butylbenzene	13.61	91	418048	48.785	ug/l	100
90) Hexachloroethane	13.87	117	70355	50.996	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	213742	47.140	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32003	45.258	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
Data File : VN060811.D
Acq On : 1 Apr 2020 15:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/2/2020 10:13:58 AM

Quant Time: Apr 02 09:26:46 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134110	48.165	ug/l	100
94) Hexachlorobutadiene	15.01	225	67052	49.123	ug/l	100
95) Naphthalene	15.13	128	373686	44.620	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127430	46.463	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040120\
Data File : VN060811.D
Acq On : 1 Apr 2020 15:38
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
4/2/2020 10:13:58 AM

Quant Time: Apr 02 09:26:46 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration

