

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061118.D
 Acq On : 20 Apr 2020 22:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:46 PM

Quant Time: Apr 21 06:45:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	154511	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	261097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110986	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	93781	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.56	113	74440	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.08	98	271463	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	
62) 4-Bromofluorobenzene	12.39	95	107512	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96914	47.474	ug/l	99
3) Chloromethane	2.04	50	129296	47.181	ug/l	99
4) Vinyl Chloride	2.17	62	108107	47.471	ug/l	98
5) Bromomethane	2.55	94	56265	49.267	ug/l	98
6) Chloroethane	2.69	64	65485	49.848	ug/l	100
7) Trichlorofluoromethane	3.00	101	140613	49.596	ug/l	99
8) Diethyl Ether	3.38	74	55003	48.812	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80292	48.270	ug/l	100
10) Methyl Iodide	3.93	142	75054	51.145	ug/l	98
11) Tert butyl alcohol	4.73	59	68827	196.229	ug/l	100
12) 1,1-Dichloroethene	3.72	96	81855	48.411	ug/l	99
13) Acrolein	3.57	56	67290	227.214	ug/l	100
14) Allyl chloride	4.29	41	146041	45.649	ug/l	98
15) Acrylonitrile	4.94	53	233246	245.261	ug/l	99
16) Acetone	3.78	43	185072	212.697	ug/l	99
17) Carbon Disulfide	4.03	76	248999	47.062	ug/l	98
18) Methyl Acetate	4.28	43	140255	51.404	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	284293	48.221	ug/l	98
20) Methylene Chloride	4.52	84	92552	48.717	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	88738	49.068	ug/l	97
22) Diisopropyl ether	5.91	45	328307	49.411	ug/l	99
23) Vinyl Acetate	5.86	43	1254491	240.769	ug/l	100
24) 1,1-Dichloroethane	5.82	63	174795	48.708	ug/l	100
25) 2-Butanone	6.79	43	304757	228.566	ug/l	99
26) 2,2-Dichloropropane	6.79	77	133795	44.778	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	100896	48.595	ug/l	99
28) Bromochloromethane	7.17	49	80271	48.730	ug/l	100
29) Tetrahydrofuran	7.18	42	211035	233.138	ug/l	100
30) Chloroform	7.34	83	166769	49.823	ug/l	99
31) Cyclohexane	7.63	56	167974	45.615	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	143008	49.394	ug/l	99
36) 1,1-Dichloropropene	7.77	75	131607	48.846	ug/l	99
37) Ethyl Acetate	6.89	43	134128	45.847	ug/l	99
38) Carbon Tetrachloride	7.75	117	114953	51.257	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061118.D
 Acq On : 20 Apr 2020 22:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:46 PM

Quant Time: Apr 21 06:45:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	153214	47.565	ug/l	99
40) Benzene	8.02	78	386871	48.401	ug/l	99
41) Methacrylonitrile	7.14	41	58791m	48.179	ug/l	
42) 1,2-Dichloroethane	8.10	62	135665	49.824	ug/l	100
43) Isopropyl Acetate	8.14	43	229294	48.191	ug/l	99
44) Trichloroethene	8.82	130	95821	47.710	ug/l	99
45) 1,2-Dichloropropane	9.10	63	104892	48.585	ug/l	99
46) Dibromomethane	9.19	93	62776	50.432	ug/l	99
47) Bromodichloromethane	9.38	83	131801	50.122	ug/l	99
48) Methyl methacrylate	9.18	41	102447	48.722	ug/l	99
49) 1,4-Dioxane	9.18	88	20681	712.352	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	667746	243.448	ug/l	100
52) Toluene	10.14	92	234536	48.911	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	150858	49.389	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	161902	48.579	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	90262	49.741	ug/l	98
56) Ethyl methacrylate	10.42	69	143439	50.268	ug/l	99
57) 1,3-Dichloropropane	10.70	76	160019	49.438	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	300055	231.413	ug/l	100
59) 2-Hexanone	10.74	43	476265	240.769	ug/l	100
60) Dibromochloromethane	10.89	129	95819	51.403	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91912	49.707	ug/l	100
64) Tetrachloroethene	10.62	164	91419	49.548	ug/l	99
65) Chlorobenzene	11.42	112	237618	47.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	86967	48.836	ug/l	99
67) Ethyl Benzene	11.50	91	451896	48.264	ug/l	99
68) m/p-Xylenes	11.61	106	331646	98.011	ug/l	99
69) o-Xylene	11.94	106	158355	48.674	ug/l	100
70) Styrene	11.96	104	263492	50.307	ug/l	99
71) Bromoform	12.12	173	67018	50.417	ug/l #	100
73) Isopropylbenzene	12.24	105	429412	48.294	ug/l	99
74) N-amyl acetate	12.06	43	192776	46.622	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	130599	48.116	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	113607m	46.537	ug/l	
77) Bromobenzene	12.52	156	99885	48.113	ug/l	99
78) n-propylbenzene	12.58	91	509975	49.022	ug/l	100
79) 2-Chlorotoluene	12.67	91	295849	48.489	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	360515	49.053	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	43811	44.266	ug/l	99
82) 4-Chlorotoluene	12.77	91	308859	48.809	ug/l	100
83) tert-Butylbenzene	12.99	119	299711	48.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	360220	49.584	ug/l	100
85) sec-Butylbenzene	13.17	105	413589	49.385	ug/l	100
86) p-Isopropyltoluene	13.28	119	364772	48.914	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	178405	48.220	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	179483	48.221	ug/l	99
89) n-Butylbenzene	13.61	91	340204	49.057	ug/l	99
90) Hexachloroethane	13.87	117	56605	49.473	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	173526	49.141	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	25478	48.502	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
Data File : VN061118.D
Acq On : 20 Apr 2020 22:16
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
4/21/2020 12:02:46 PM

Quant Time: Apr 21 06:45:30 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	104947	50.213	ug/l	100
94) Hexachlorobutadiene	15.00	225	50058	46.558	ug/l	99
95) Naphthalene	15.13	128	300638	49.323	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	100004	49.650	ug/l	100

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

