

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061115.D
 Acq On : 20 Apr 2020 20:23
 Operator : JC/MD
 Sample : L2330-14MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:00:16 PM

Quant Time: Apr 21 06:38:40 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	143887	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	245986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	223391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99967	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	89969	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
35) Dibromofluoromethane	7.56	113	69733	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
50) Toluene-d8	10.08	98	250463	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
62) 4-Bromofluorobenzene	12.39	95	96947	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95577	50.254	ug/l	99
3) Chloromethane	2.04	50	128798	50.470	ug/l	100
4) Vinyl Chloride	2.17	62	106923	50.418	ug/l	99
5) Bromomethane	2.55	94	54365	51.118	ug/l	100
6) Chloroethane	2.69	64	64774	52.948	ug/l	98
7) Trichlorofluoromethane	3.00	101	137689	52.150	ug/l	100
8) Diethyl Ether	3.38	74	53678	51.153	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75798	48.932	ug/l	99
10) Methyl Iodide	3.93	142	70391	51.510	ug/l	100
11) Tert butyl alcohol	4.72	59	67245	205.874	ug/l	99
12) 1,1-Dichloroethene	3.72	96	79698	50.615	ug/l	98
13) Acrolein	3.57	56	65578	237.783	ug/l	99
14) Allyl chloride	4.29	41	142122	47.704	ug/l	98
15) Acrylonitrile	4.94	53	228150	257.616	ug/l	99
16) Acetone	3.78	43	182510	225.240	ug/l	100
17) Carbon Disulfide	4.03	76	246938	50.118	ug/l	99
18) Methyl Acetate	4.28	43	122453	48.193	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	277519	50.547	ug/l	96
20) Methylene Chloride	4.52	84	90962	51.416	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	86694	51.477	ug/l	98
22) Diisopropyl ether	5.91	45	319664	51.663	ug/l	98
23) Vinyl Acetate	5.86	43	1173940	241.945	ug/l	100
24) 1,1-Dichloroethane	5.82	63	170414	50.994	ug/l	99
25) 2-Butanone	6.80	43	297944	239.955	ug/l	100
26) 2,2-Dichloropropane	6.80	77	125589	45.135	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	99114	51.262	ug/l	98
28) Bromochloromethane	7.17	49	78224	50.993	ug/l	100
29) Tetrahydrofuran	7.18	42	204353	242.425	ug/l	99
30) Chloroform	7.34	83	163433	52.432	ug/l	99
31) Cyclohexane	7.63	56	154028	44.916	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	138677	51.435	ug/l	99
36) 1,1-Dichloropropene	7.77	75	125488	49.437	ug/l	100
37) Ethyl Acetate	6.89	43	126231	45.798	ug/l	100
38) Carbon Tetrachloride	7.75	117	112367	53.182	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061115.D
 Acq On : 20 Apr 2020 20:23
 Operator : JC/MD
 Sample : L2330-14MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:00:16 PM

Quant Time: Apr 21 06:38:40 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	131605	43.366	ug/l	99
40) Benzene	8.02	78	376412	49.985	ug/l	100
41) Methacrylonitrile	7.14	41	55774m	48.515	ug/l	
42) 1,2-Dichloroethane	8.10	62	131204	51.146	ug/l	100
43) Isopropyl Acetate	8.14	43	216289	48.250	ug/l	100
44) Trichloroethene	8.81	130	91693	48.459	ug/l	99
45) 1,2-Dichloropropane	9.10	63	102088	50.191	ug/l	98
46) Dibromomethane	9.19	93	61786	52.686	ug/l	100
47) Bromodichloromethane	9.38	83	128164	51.733	ug/l	98
48) Methyl methacrylate	9.18	41	100020	50.490	ug/l	98
49) 1,4-Dioxane	9.18	88	21049	768.463	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	641883	248.395	ug/l	100
52) Toluene	10.14	92	224179	49.623	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	144792	50.315	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	154413	49.179	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	87335	51.085	ug/l	98
56) Ethyl methacrylate	10.42	69	138814	51.636	ug/l	99
57) 1,3-Dichloropropane	10.70	76	155383	50.954	ug/l	99
59) 2-Hexanone	10.74	43	464231	249.102	ug/l	99
60) Dibromochloromethane	10.89	129	92005	52.389	ug/l	100
61) 1,2-Dibromoethane	10.99	107	89360	51.295	ug/l	98
64) Tetrachloroethene	10.62	164	82956	48.529	ug/l	99
65) Chlorobenzene	11.42	112	228629	49.577	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	83422	50.562	ug/l	100
67) Ethyl Benzene	11.50	91	422789	48.739	ug/l	99
68) m/p-Xylenes	11.61	106	309069	98.586	ug/l	100
69) o-Xylene	11.94	106	147598	48.967	ug/l	100
70) Stvrene	11.96	104	248572	51.224	ug/l	99
71) Bromoform	12.12	173	65104	52.864	ug/l #	99
73) Isopropylbenzene	12.24	105	388268	48.480	ug/l	99
74) N-amyl acetate	12.06	43	181274	48.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	125436	51.308	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	110879m	50.426	ug/l	
77) Bromobenzene	12.52	156	93876	50.203	ug/l	100
78) n-propylbenzene	12.59	91	455105	48.570	ug/l	100
79) 2-Chlorotoluene	12.67	91	270352	49.194	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	321314	48.538	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	41389	46.428	ug/l	98
82) 4-Chlorotoluene	12.77	91	283539	49.746	ug/l	100
83) tert-Butylbenzene	12.99	119	261817	47.028	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	323430	49.427	ug/l	99
85) sec-Butylbenzene	13.17	105	352639	46.749	ug/l	100
86) p-Isopropyltoluene	13.28	119	312230	46.483	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	163988	49.209	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	162008	48.324	ug/l	100
89) n-Butylbenzene	13.61	91	282016	45.149	ug/l	99
90) Hexachloroethane	13.87	117	48766	47.320	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	157602	49.551	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	24725	52.257	ug/l	97
93) 1,2,4-Trichlorobenzene	14.90	180	88991	47.272	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
Data File : VN061115.D
Acq On : 20 Apr 2020 20:23
Operator : JC/MD
Sample : L2330-14MSD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PA-TWP-2MSD

Manual Integrations
APPROVED

MMDadoda
4/21/2020 12:00:16 PM

Quant Time: Apr 21 06:38:40 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)
94) Hexachlorobutadiene	15.00	225	39177	40.454	ug/l	99
95) Naphthalene	15.13	128	280028	51.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	86418	47.634	ug/l	100

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061115.D
 Acq On : 20 Apr 2020 20:23
 Operator : JC/MD
 Sample : L2330-14MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PA-TWP-2MSD

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:00:16 PM

Quant Time: Apr 21 06:38:40 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

