

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072220\
 Data File : VN062589.D
 Acq On : 22 Jul 2020 12:29
 Operator : JC/MD
 Sample : VN0722WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0722WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:15:01 PM

Quant Time: Jul 23 07:26:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	198069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	328907	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	307428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136241	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	157120	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	7.55	113	110669	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.06	98	434968	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	12.37	95	155889	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42006	17.780	ug/l	99
3) Chloromethane	2.04	50	55274	17.249	ug/l	99
4) Vinyl Chloride	2.16	62	49804	17.929	ug/l	97
5) Bromomethane	2.53	94	23971	19.483	ug/l	95
6) Chloroethane	2.67	64	22577	17.967	ug/l	100
7) Trichlorofluoromethane	2.98	101	66374	20.350	ug/l	99
8) Diethyl Ether	3.37	74	28937	18.973	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	39526	18.902	ug/l	98
10) Methyl Iodide	3.91	142	48629	18.190	ug/l	99
11) Tert butyl alcohol	4.73	59	46875	95.766	ug/l	100
12) 1,1-Dichloroethene	3.70	96	39424	18.589	ug/l	94
13) Acrolein	3.57	56	37656	79.715	ug/l	98
14) Allyl chloride	4.28	41	84834	18.492	ug/l	99
15) Acrylonitrile	4.93	53	127998	97.630	ug/l	99
16) Acetone	3.78	43	110237	95.207	ug/l	99
17) Carbon Disulfide	4.01	76	123183	17.678	ug/l	99
18) Methyl Acetate	4.28	43	57084	19.475	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	148173	18.982	ug/l	99
20) Methylene Chloride	4.50	84	50653	18.240	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	44200	18.778	ug/l	98
22) Diisopropyl ether	5.90	45	176621	19.369	ug/l	98
23) Vinyl Acetate	5.84	43	725197	97.058	ug/l	100
24) 1,1-Dichloroethane	5.80	63	92645	18.867	ug/l	99
25) 2-Butanone	6.79	43	172533	97.842	ug/l	99
26) 2,2-Dichloropropane	6.77	77	73490	18.231	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	50037	18.629	ug/l	99
28) Bromochloromethane	7.15	49	51648	21.372	ug/l	98
29) Tetrahydrofuran	7.17	42	115569	96.855	ug/l	100
30) Chloroform	7.33	83	86728	18.576	ug/l	99
31) Cyclohexane	7.61	56	82262	18.144	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	72315	18.552	ug/l	98
36) 1,1-Dichloropropene	7.75	75	66327	18.919	ug/l	98
37) Ethyl Acetate	6.88	43	73460	19.439	ug/l	100
38) Carbon Tetrachloride	7.73	117	63927	18.970	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072220\
 Data File : VN062589.D
 Acq On : 22 Jul 2020 12:29
 Operator : JC/MD
 Sample : VN0722WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0722WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/23/2020 2:15:01 PM

Quant Time: Jul 23 07:26:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	71027	18.821	ug/l	97
40) Benzene	8.00	78	198720	18.723	ug/l	99
41) Methacrylonitrile	7.13	41	37588	23.208	ug/l #	81
42) 1,2-Dichloroethane	8.09	62	76077	19.606	ug/l	90
43) Isopropyl Acetate	8.12	43	115442	18.949	ug/l	99
44) Trichloroethene	8.80	130	44352	18.530	ug/l	100
45) 1,2-Dichloropropane	9.09	63	56315	18.898	ug/l	97
46) Dibromomethane	9.17	93	32993	19.156	ug/l	98
47) Bromodichloromethane	9.37	83	70255	18.828	ug/l	99
48) Methyl methacrylate	9.17	41	56856	19.633	ug/l	98
49) 1,4-Dioxane	9.16	88	17692	397.760	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	360540	98.909	ug/l	100
52) Toluene	10.12	92	117534	19.071	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	78184	18.822	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	86205	19.340	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	47254	19.767	ug/l	99
56) Ethyl methacrylate	10.40	69	72969	18.167	ug/l	98
57) 1,3-Dichloropropane	10.68	76	84218	19.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	116637	100.831	ug/l	99
59) 2-Hexanone	10.72	43	256494	92.868	ug/l	99
60) Dibromochloromethane	10.87	129	51297	19.235	ug/l	98
61) 1,2-Dibromoethane	10.98	107	46138	18.535	ug/l	97
64) Tetrachloroethene	10.60	164	37918	18.983	ug/l	95
65) Chlorobenzene	11.41	112	120770	18.739	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	46127	19.025	ug/l	97
67) Ethyl Benzene	11.48	91	221334	18.730	ug/l	99
68) m/p-Xylenes	11.60	106	159056	37.448	ug/l	97
69) o-Xylene	11.92	106	76434	18.951	ug/l	100
70) Styrene	11.94	104	127271	18.680	ug/l	98
71) Bromoform	12.10	173	34391	18.891	ug/l #	98
73) Isopropylbenzene	12.22	105	207247	19.238	ug/l	99
74) N-amyl acetate	12.05	43	96052	19.965	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	70496	18.831	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	62239m	17.948	ug/l	
77) Bromobenzene	12.50	156	49444	19.099	ug/l	95
78) n-propylbenzene	12.57	91	240297	19.043	ug/l	100
79) 2-Chlorotoluene	12.65	91	148665	19.117	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	174949	19.578	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	23282	18.689	ug/l	97
82) 4-Chlorotoluene	12.75	91	152956	18.896	ug/l	100
83) tert-Butylbenzene	12.97	119	142512	19.206	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	170091	19.403	ug/l	99
85) sec-Butylbenzene	13.15	105	192797	19.408	ug/l	99
86) p-Isopropyltoluene	13.26	119	166202	19.453	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	84411	18.580	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	84346	18.860	ug/l	97
89) n-Butylbenzene	13.59	91	132614	18.064	ug/l	100
90) Hexachloroethane	13.85	117	33264	18.289	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	82491	18.989	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	12591	18.525	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072220\
Data File : VN062589.D
Acq On : 22 Jul 2020 12:29
Operator : JC/MD
Sample : VN0722WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0722WBSD01

Manual Integrations
APPROVED

MMDadoda
7/23/2020 2:15:01 PM

Quant Time: Jul 23 07:26:08 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	31032	15.847	ug/l	97
94) Hexachlorobutadiene	14.98	225	20454	17.119	ug/l	98
95) Naphthalene	15.10	128	77551	15.598	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	32045	15.653	ug/l	100

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

