

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061311.D
 Acq On : 6 May 2020 15:49
 Operator : JC/MD
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:37 AM

Quant Time: May 07 06:36:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	115357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	198261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183203	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	84102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	92143	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.55	113	57970	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.06	98	240530	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.38	95	88319	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	20486	16.747	ug/l	99
3) Chloromethane	2.03	50	27115	18.302	ug/l	100
4) Vinyl Chloride	2.16	62	30380	18.054	ug/l	100
5) Bromomethane	2.54	94	12829	15.423	ug/l	96
6) Chloroethane	2.67	64	18936	17.754	ug/l	95
7) Trichlorofluoromethane	2.99	101	39306	20.704	ug/l	98
8) Diethyl Ether	3.37	74	15402	19.450	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	23111	18.896	ug/l	98
10) Methyl Iodide	3.91	142	24326	15.476	ug/l	99
11) Tert butyl alcohol	4.74	59	15795m	64.598	ug/l	
12) 1,1-Dichloroethene	3.70	96	21043	17.289	ug/l	97
13) Acrolein	3.56	56	10230	62.782	ug/l	99
14) Allyl chloride	4.27	41	44309	19.634	ug/l	99
15) Acrylonitrile	4.93	53	62607	83.410	ug/l	98
16) Acetone	3.77	43	64670	88.030	ug/l	100
17) Carbon Disulfide	4.01	76	55525	16.515	ug/l	100
18) Methyl Acetate	4.28	43	33529	15.033	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	82566	17.753	ug/l	98
20) Methylene Chloride	4.50	84	24698	17.353	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	23417	17.669	ug/l	98
22) Diisopropyl ether	5.90	45	94491	18.056	ug/l	98
23) Vinyl Acetate	5.84	43	367240	87.155	ug/l	100
24) 1,1-Dichloroethane	5.80	63	48851	17.866	ug/l	98
25) 2-Butanone	6.79	43	89428	82.797	ug/l	100
26) 2,2-Dichloropropane	6.77	77	44012	19.110	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	27277	17.538	ug/l	99
28) Bromochloromethane	7.15	49	26383	20.358	ug/l	97
29) Tetrahydrofuran	7.17	42	58080	79.827	ug/l	100
30) Chloroform	7.33	83	47979	17.316	ug/l	95
31) Cyclohexane	7.62	56	42074	15.845	ug/l #	96
32) 1,1,1-Trichloroethane	7.53	97	41645	17.260	ug/l	98
36) 1,1-Dichloropropene	7.75	75	35224	17.748	ug/l	99
37) Ethyl Acetate	6.88	43	37974	16.321	ug/l	100
38) Carbon Tetrachloride	7.73	117	30728	18.480	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
 Data File : VN061311.D
 Acq On : 6 May 2020 15:49
 Operator : JC/MD
 Sample : VN0506WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0506WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:36:37 AM

Quant Time: May 07 06:36:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	34787	15.629	ug/l	99
40) Benzene	8.00	78	103849	17.563	ug/l	99
41) Methacrylonitrile	7.13	41	19351m	20.031	ug/l	
42) 1,2-Dichloroethane	8.08	62	41499	18.526	ug/l	99
43) Isopropyl Acetate	8.13	43	65466	16.954	ug/l #	91
44) Trichloroethene	8.80	130	26469	16.559	ug/l	97
45) 1,2-Dichloropropane	9.08	63	28147	17.818	ug/l	100
46) Dibromomethane	9.17	93	17518	17.910	ug/l	99
47) Bromodichloromethane	9.37	83	38104	18.150	ug/l	99
48) Methyl methacrylate	9.17	41	30344	17.414	ug/l	95
49) 1,4-Dioxane	9.16	88	4188	211.736	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	190643	83.876	ug/l	100
52) Toluene	10.12	92	62353	17.508	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	42074	17.786	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	44136	17.648	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	24886	17.518	ug/l	98
56) Ethyl methacrylate	10.40	69	36713	16.749	ug/l	96
57) 1,3-Dichloropropane	10.68	76	44890	17.977	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	66240	57.606	ug/l	100
59) 2-Hexanone	10.72	43	136464	82.526	ug/l	98
60) Dibromochloromethane	10.87	129	26000	17.475	ug/l	100
61) 1,2-Dibromoethane	10.98	107	24601	17.278	ug/l	99
64) Tetrachloroethene	10.60	164	24746	15.596	ug/l	97
65) Chlorobenzene	11.41	112	64375	17.714	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	23707	18.226	ug/l	99
67) Ethyl Benzene	11.48	91	119186	17.519	ug/l	100
68) m/p-Xylenes	11.60	106	86459	34.721	ug/l	97
69) o-Xylene	11.92	106	41058	17.165	ug/l	97
70) Styrene	11.94	104	68735	17.169	ug/l	99
71) Bromoform	12.10	173	16394	17.150	ug/l #	99
73) Isopropylbenzene	12.22	105	113012	18.279	ug/l	100
74) N-amyl acetate	12.05	43	52776	16.857	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	35752	18.545	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	32097m	18.102	ug/l	
77) Bromobenzene	12.50	156	25839	18.104	ug/l	98
78) n-propylbenzene	12.57	91	133666	18.227	ug/l	100
79) 2-Chlorotoluene	12.65	91	79084	18.347	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	92826	18.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	11932	17.089	ug/l	96
82) 4-Chlorotoluene	12.75	91	83911	18.470	ug/l	99
83) tert-Butylbenzene	12.97	119	75605	17.522	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	94714	17.965	ug/l	99
85) sec-Butylbenzene	13.15	105	100996	17.168	ug/l	99
86) p-Isopropyltoluene	13.26	119	90368	17.050	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	47634	18.129	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	47711	17.772	ug/l	99
89) n-Butylbenzene	13.59	91	81108	16.692	ug/l	99
90) Hexachloroethane	13.85	117	10839	24.241	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	45133	17.915	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7054	17.325	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050620\
Data File : VN061311.D
Acq On : 6 May 2020 15:49
Operator : JC/MD
Sample : VN0506WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506WBSD01

Manual Integrations
APPROVED

MMDadoda
5/7/2020 10:36:37 AM

Quant Time: May 07 06:36:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	25387	16.548	ug/l	98
94) Hexachlorobutadiene	14.98	225	10939	17.068	ug/l	97
95) Naphthalene	15.11	128	76202	15.252	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	25527	16.853	ug/l	97

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

