

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061444.D
 Acq On : 18 May 2020 19:00
 Operator : JC/MD
 Sample : VN0518WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:56 PM

Quant Time: May 19 04:31:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	285908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	530906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	491754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225840	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	199127	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	7.55	113	141405	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.06	98	589700	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
62) 4-Bromofluorobenzene	12.37	95	219101	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	47294	19.894	ug/l 100
3) Chloromethane	2.03	50	68421	17.646	ug/l 99
4) Vinyl Chloride	2.16	62	99798	17.984	ug/l 100
5) Bromomethane	2.54	94	54340	16.707	ug/l 95
6) Chloroethane	2.67	64	65013	17.406	ug/l 99
7) Trichlorofluoromethane	2.98	101	111976	16.620	ug/l 98
8) Diethyl Ether	3.37	74	34491	17.576	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49423	17.641	ug/l 99
10) Methyl Iodide	3.91	142	61947	18.204	ug/l 99
11) Tert butyl alcohol	4.73	59	44555	90.621	ug/l 99
12) 1,1-Dichloroethene	3.70	96	51002	17.403	ug/l 95
13) Acrolein	3.57	56	29096	68.991	ug/l 97
14) Allyl chloride	4.28	41	85338	17.893	ug/l 95
15) Acrylonitrile	4.93	53	132043	90.650	ug/l 99
16) Acetone	3.77	43	97658	81.760	ug/l 99
17) Carbon Disulfide	4.01	76	136609	19.792	ug/l 98
18) Methyl Acetate	4.28	43	52936	17.392	ug/l 98
19) Methyl tert-butyl Ether	4.99	73	199532	17.941	ug/l 99
20) Methylene Chloride	4.50	84	59632	17.004	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	58962	17.448	ug/l 96
22) Diisopropyl ether	5.90	45	190878	17.810	ug/l 94
23) Vinyl Acetate	5.84	43	773283	90.733	ug/l 99
24) 1,1-Dichloroethane	5.80	63	113545	18.164	ug/l 98
25) 2-Butanone	6.79	43	171414	88.229	ug/l 99
26) 2,2-Dichloropropane	6.78	77	101702	17.066	ug/l 100
27) cis-1,2-Dichloroethene	6.78	96	72499	18.162	ug/l 98
28) Bromochloromethane	7.15	49	51837	19.536	ug/l 98
29) Tetrahydrofuran	7.17	42	113291	88.049	ug/l 99
30) Chloroform	7.33	83	119168	18.252	ug/l 97
31) Cyclohexane	7.62	56	96357	15.456	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	105937	17.756	ug/l 99
36) 1,1-Dichloropropene	7.75	75	84723	17.067	ug/l 99
37) Ethyl Acetate	6.88	43	76074	16.898	ug/l 98
38) Carbon Tetrachloride	7.73	117	77142	16.876	ug/l 97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061444.D
 Acq On : 18 May 2020 19:00
 Operator : JC/MD
 Sample : VN0518WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:56 PM

Quant Time: May 19 04:31:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	90384	14.907	ug/l	98
40) Benzene	8.00	78	262988	17.579	ug/l	100
41) Methacrylonitrile	7.12	41	36634	19.266	ug/l #	91
42) 1,2-Dichloroethane	8.09	62	95765	17.768	ug/l	100
43) Isopropyl Acetate	8.13	43	137030	17.452	ug/l	100
44) Trichloroethene	8.80	130	70891	18.085	ug/l	95
45) 1,2-Dichloropropane	9.09	63	67101	17.920	ug/l	99
46) Dibromomethane	9.18	93	46570	17.741	ug/l	99
47) Bromodichloromethane	9.37	83	96306	17.413	ug/l	100
48) Methyl methacrylate	9.17	41	61580	16.977	ug/l	98
49) 1,4-Dioxane	9.17	88	14523	356.394	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	386695	90.404	ug/l	99
52) Toluene	10.12	92	169271	17.624	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	106950	17.643	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	113964	17.685	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	65823	18.127	ug/l	99
56) Ethyl methacrylate	10.40	69	103531	18.237	ug/l	99
57) 1,3-Dichloropropane	10.68	76	113879	18.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	236273	94.820	ug/l	99
59) 2-Hexanone	10.72	43	269963	87.235	ug/l	100
60) Dibromochloromethane	10.87	129	69298	17.253	ug/l	98
61) 1,2-Dibromoethane	10.98	107	69435	18.187	ug/l	100
64) Tetrachloroethene	10.60	164	64587	16.977	ug/l	99
65) Chlorobenzene	11.41	112	175425	17.494	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	61157	17.011	ug/l	98
67) Ethyl Benzene	11.48	91	324896	17.749	ug/l	99
68) m/p-Xylenes	11.59	106	243507	35.047	ug/l	99
69) o-Xylene	11.92	106	119411	17.760	ug/l	98
70) Styrene	11.94	104	202695	18.205	ug/l	99
71) Bromoform	12.10	173	43869	17.078	ug/l #	98
73) Isopropylbenzene	12.22	105	303680	16.750	ug/l	100
74) N-amyl acetate	12.05	43	119145	17.954	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	90719	18.187	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	79388m	16.382	ug/l	
77) Bromobenzene	12.50	156	74130	18.840	ug/l	93
78) n-propylbenzene	12.57	91	351552	17.018	ug/l	99
79) 2-Chlorotoluene	12.65	91	210847	17.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	255726	17.226	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	30181	16.522	ug/l	96
82) 4-Chlorotoluene	12.75	91	222321	17.584	ug/l	99
83) tert-Butylbenzene	12.97	119	207169	16.292	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	258531	17.402	ug/l	99
85) sec-Butylbenzene	13.15	105	273676	15.916	ug/l	99
86) p-Isopropyltoluene	13.27	119	242107	15.857	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	127682	17.731	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	126736	17.574	ug/l	96
89) n-Butylbenzene	13.59	91	208891	15.059	ug/l	99
90) Hexachloroethane	13.85	117	31182	15.069	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	124399	18.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	18921	18.778	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
Data File : VN061444.D
Acq On : 18 May 2020 19:00
Operator : JC/MD
Sample : VN0518WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

Manual Integrations
APPROVED

MMDadoda
5/19/2020 4:24:56 PM

Quant Time: May 19 04:31:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	64740	17.285	ug/l	97
94) Hexachlorobutadiene	14.98	225	21597	12.978	ug/l	99
95) Naphthalene	15.10	128	233817	19.637	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	63146	16.936	ug/l	99

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

