

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053612.D
 Acq On : 5 Feb 2019 11:49
 Operator : JC/SP
 Sample : VN0205WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0205WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:46:55 PM

Quant Time: Feb 06 03:50:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	736065	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1088664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	945814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	453003	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	352039	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	7.59	113	341586	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.09	98	1265157	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	12.40	95	424754	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	153727	18.738	ug/l	100
3) Chloromethane	2.06	50	155981	17.850	ug/l	98
4) Vinyl Chloride	2.19	62	158625	18.699	ug/l	100
5) Bromomethane	2.57	94	104760	18.888	ug/l	98
6) Chloroethane	2.71	64	89245	18.410	ug/l	97
7) Trichlorofluoromethane	3.02	101	215948	18.772	ug/l	98
8) Diethyl Ether	3.41	74	74835	17.813	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135178	19.001	ug/l	97
10) Methyl Iodide	3.95	142	192578	17.246	ug/l	99
11) Tert butyl alcohol	4.78	59	38531	88.169	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	125440	18.403	ug/l	97
13) Acrolein	3.61	56	15242	64.060	ug/l	99
14) Allyl chloride	4.33	41	198230	18.265	ug/l	99
15) Acrylonitrile	4.99	53	218348	92.551	ug/l	99
16) Acetone	3.82	43	163551	86.350	ug/l	96
17) Carbon Disulfide	4.06	76	364192	17.159	ug/l	100
18) Methyl Acetate	4.33	43	103947	18.531	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	326602	18.901	ug/l	97
20) Methylene Chloride	4.55	84	143075	18.005	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	133902	18.209	ug/l	95
22) Diisopropyl ether	5.95	45	371834	18.491	ug/l	95
23) Vinyl Acetate	5.90	43	1276028	91.726	ug/l	99
24) 1,1-Dichloroethane	5.85	63	247330	18.440	ug/l	99
25) 2-Butanone	6.84	43	236385	87.507	ug/l	99
26) 2,2-Dichloropropane	6.82	77	185723	18.139	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	151833	18.568	ug/l	99
28) Bromochloromethane	7.20	49	106945	18.374	ug/l	96
29) Tetrahydrofuran	7.21	42	156942	90.477	ug/l	99
30) Chloroform	7.37	83	244720	18.406	ug/l	98
31) Cyclohexane	7.65	56	228137	18.161	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	202346	18.287	ug/l	100
36) 1,1-Dichloropropene	7.79	75	190817	19.444	ug/l	99
37) Ethyl Acetate	6.93	43	104311	19.032	ug/l	98
38) Carbon Tetrachloride	7.77	117	180267	18.234	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
 Data File : VN053612.D
 Acq On : 5 Feb 2019 11:49
 Operator : JC/SP
 Sample : VN0205WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0205WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/6/2019 12:46:55 PM

Quant Time: Feb 06 03:50:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	222579	19.117	ug/l	99
40) Benzene	8.04	78	560817	18.532	ug/l	99
41) Methacrylonitrile	7.17	41	57931	18.911	ug/l	89
42) 1,2-Dichloroethane	8.13	62	162440	18.078	ug/l	100
43) Isopropyl Acetate	8.16	43	179926	16.998	ug/l	98
44) Trichloroethene	8.84	130	152522	17.703	ug/l	96
45) 1,2-Dichloropropane	9.12	63	148729	19.215	ug/l	96
46) Dibromomethane	9.21	93	86476	18.533	ug/l	99
47) Bromodichloromethane	9.40	83	179520	18.504	ug/l	98
48) Methyl methacrylate	9.20	41	84883	16.800	ug/l	89
49) 1,4-Dioxane	9.20	88	25100	368.532	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	477839	91.867	ug/l	99
52) Toluene	10.16	92	340964	18.984	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	177269	18.248	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	212356	18.447	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	121744	18.811	ug/l	98
56) Ethyl methacrylate	10.43	69	140494	18.350	ug/l	98
57) 1,3-Dichloropropane	10.71	76	206358	18.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	403016	90.166	ug/l	100
59) 2-Hexanone	10.75	43	309419	87.627	ug/l	100
60) Dibromochloromethane	10.90	129	135567	18.575	ug/l	100
61) 1,2-Dibromoethane	11.01	107	116110	18.126	ug/l	100
64) Tetrachloroethene	10.63	164	152635	18.826	ug/l	97
65) Chlorobenzene	11.43	112	375389	18.685	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	133454	19.021	ug/l	98
67) Ethyl Benzene	11.51	91	628990	19.059	ug/l	100
68) m/p-Xylenes	11.62	106	494124	39.230	ug/l	99
69) o-Xylene	11.95	106	235662	19.367	ug/l	100
70) Styrene	11.96	104	379278	19.230	ug/l	99
71) Bromoform	12.13	173	90062	18.723	ug/l #	99
73) Isopropylbenzene	12.25	105	629806	19.777	ug/l	100
74) N-amyl acetate	12.07	43	137148	17.910	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	138877	18.222	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	115021m	19.768	ug/l	
77) Bromobenzene	12.53	156	163581	19.060	ug/l	99
78) n-propylbenzene	12.59	91	723285	19.647	ug/l	100
79) 2-Chlorotoluene	12.67	91	424279	19.426	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	537275	20.345	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35679	17.243	ug/l	97
82) 4-Chlorotoluene	12.77	91	436885	19.494	ug/l	100
83) tert-Butylbenzene	12.99	119	470622	20.164	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	538371	20.010	ug/l	98
85) sec-Butylbenzene	13.17	105	645728	20.331	ug/l	100
86) p-Isopropyltoluene	13.29	119	560558	20.180	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	292934	18.986	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	286373	18.764	ug/l	100
89) n-Butylbenzene	13.62	91	474195	19.723	ug/l	99
90) Hexachloroethane	13.87	117	91707	20.015	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	278030	18.823	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19651	18.092	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020519\
Data File : VN053612.D
Acq On : 5 Feb 2019 11:49
Operator : JC/SP
Sample : VN0205WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0205WBS01

Manual Integrations
APPROVED

MMDadoda
2/6/2019 12:46:55 PM

Quant Time: Feb 06 03:50:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	158562	18.718	ug/l	100
94) Hexachlorobutadiene	15.01	225	103093	19.542	ug/l	98
95) Naphthalene	15.13	128	317196	17.123	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	146512	18.640	ug/l	99

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

