

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059369.D
 Acq On : 22 Nov 2019 16:52
 Operator : JC/SP
 Sample : VN1122WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1122WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 2:43:26 PM

Quant Time: Nov 22 22:54:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	364119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	571251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	510297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	231272	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	212434	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	7.57	113	170260	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.08	98	681426	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.40	95	239793	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	89279	19.152	ug/l	99
3) Chloromethane	2.04	50	105572	18.487	ug/l	99
4) Vinyl Chloride	2.17	62	113990	19.388	ug/l	100
5) Bromomethane	2.54	94	60660	18.583	ug/l	97
6) Chloroethane	2.68	64	59859	18.654	ug/l	95
7) Trichlorofluoromethane	3.00	101	117830	18.610	ug/l	100
8) Diethyl Ether	3.39	74	50512	19.515	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	75833	19.587	ug/l	99
10) Methyl Iodide	3.93	142	94354	19.610	ug/l	99
11) Tert butyl alcohol	4.75	59	80916	92.507	ug/l	99
12) 1,1-Dichloroethene	3.72	96	73907	18.807	ug/l	97
13) Acrolein	3.58	56	76857	96.256	ug/l	99
14) Allyl chloride	4.30	41	138531	18.870	ug/l	99
15) Acrylonitrile	4.95	53	223653	96.706	ug/l	99
16) Acetone	3.79	43	234268	119.591	ug/l	100
17) Carbon Disulfide	4.03	76	228605	18.649	ug/l	100
18) Methyl Acetate	4.30	43	127662	19.637	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	248296	19.562	ug/l	98
20) Methylene Chloride	4.52	84	86190	19.509	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	79043	18.978	ug/l	97
22) Diisopropyl ether	5.92	45	267496	19.352	ug/l	95
23) Vinyl Acetate	5.87	43	1039047	95.591	ug/l	100
24) 1,1-Dichloroethane	5.82	63	150448	19.337	ug/l	99
25) 2-Butanone	6.81	43	313646	102.967	ug/l	98
26) 2,2-Dichloropropane	6.80	77	126329	18.752	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	89566	19.060	ug/l	98
28) Bromochloromethane	7.17	49	58663	19.991	ug/l	96
29) Tetrahydrofuran	7.18	42	203267	96.506	ug/l	100
30) Chloroform	7.35	83	142142	18.741	ug/l	98
31) Cyclohexane	7.63	56	144462	18.779	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	124427	19.181	ug/l	100
36) 1,1-Dichloropropene	7.77	75	111608	18.925	ug/l	99
37) Ethyl Acetate	6.91	43	122215	19.283	ug/l	98
38) Carbon Tetrachloride	7.75	117	107548	19.050	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059369.D
 Acq On : 22 Nov 2019 16:52
 Operator : JC/SP
 Sample : VN1122WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1122WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 2:43:26 PM

Quant Time: Nov 22 22:54:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	138719	19.507	ug/l	98
40) Benzene	8.02	78	335190	19.366	ug/l	99
41) Methacrylonitrile	7.15	41	52910m	18.805	ug/l	
42) 1,2-Dichloroethane	8.11	62	110681	19.335	ug/l	100
43) Isopropyl Acetate	8.15	43	186600	19.265	ug/l	99
44) Trichloroethene	8.82	130	86292	19.671	ug/l	98
45) 1,2-Dichloropropane	9.10	63	90314	19.568	ug/l	97
46) Dibromomethane	9.20	93	53779	18.996	ug/l	99
47) Bromodichloromethane	9.39	83	109229	19.265	ug/l	99
48) Methyl methacrylate	9.19	41	83292	18.910	ug/l	98
49) 1,4-Dioxane	9.18	88	25375	383.306	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	588805	103.853	ug/l	100
52) Toluene	10.15	92	204364	19.636	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	126097	19.132	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	140456	19.639	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	80641	19.929	ug/l	99
56) Ethyl methacrylate	10.42	69	118676	18.796	ug/l	99
57) 1,3-Dichloropropane	10.70	76	141400	20.049	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	186039	90.189	ug/l	99
59) 2-Hexanone	10.75	43	430824	103.775	ug/l	100
60) Dibromochloromethane	10.90	129	82881	19.437	ug/l	98
61) 1,2-Dibromoethane	11.00	107	81442	19.343	ug/l	99
64) Tetrachloroethene	10.63	164	80068	20.287	ug/l	98
65) Chlorobenzene	11.43	112	213184	19.429	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	78851	19.781	ug/l	100
67) Ethyl Benzene	11.51	91	386392	19.723	ug/l	99
68) m/p-Xylenes	11.62	106	285503	39.219	ug/l	99
69) o-Xylene	11.95	106	138369	19.854	ug/l	96
70) Styrene	11.96	104	212992	19.368	ug/l	99
71) Bromoform	12.13	173	58671	19.435	ug/l #	99
73) Isopropylbenzene	12.25	105	370928	19.579	ug/l	100
74) N-amyl acetate	12.07	43	140079	18.398	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	118109	18.846	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	110080m	20.603	ug/l	
77) Bromobenzene	12.53	156	87810	19.109	ug/l	99
78) n-propylbenzene	12.59	91	426928	19.894	ug/l	100
79) 2-Chlorotoluene	12.68	91	249798	18.964	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	310922	19.523	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	39941	18.697	ug/l	99
82) 4-Chlorotoluene	12.78	91	252211	18.503	ug/l	98
83) tert-Butylbenzene	12.99	119	266051	19.780	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	304863	19.541	ug/l	99
85) sec-Butylbenzene	13.17	105	356673	19.729	ug/l	100
86) p-Isopropyltoluene	13.29	119	315545	19.615	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	153161	18.716	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	150550	18.594	ug/l	97
89) n-Butylbenzene	13.62	91	261272	18.514	ug/l	99
90) Hexachloroethane	13.88	117	56369	18.502	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	151389	19.121	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22524	16.905	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
Data File : VN059369.D
Acq On : 22 Nov 2019 16:52
Operator : JC/SP
Sample : VN1122WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Manual Integrations
APPROVED

MMDadoda
11/26/2019 2:43:26 PM

Quant Time: Nov 22 22:54:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	77920	17.832	ug/l	99
94) Hexachlorobutadiene	15.01	225	54557	19.126	ug/l	98
95) Naphthalene	15.13	128	206338	17.342	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	78915	17.608	ug/l	99

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112219\
Data File : VN059369.D
Acq On : 22 Nov 2019 16:52
Operator : JC/SP
Sample : VN1122WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1122WBSD01

Manual Integrations
APPROVED

MMDadoda
11/26/2019 2:43:26 PM

Quant Time: Nov 22 22:54:22 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration

