

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059805.D
 Acq On : 21 Jan 2020 12:34
 Operator : JC/MD
 Sample : VN0121WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 11:14:54 AM

Quant Time: Jan 22 03:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	191818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	293380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	264643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108871	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.56	113	91130	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.08	98	341377	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	119581	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43654	18.978	ug/l	99
3) Chloromethane	2.04	50	41473	18.885	ug/l	97
4) Vinyl Chloride	2.17	62	52085	20.729	ug/l	98
5) Bromomethane	2.54	94	31580	20.595	ug/l	95
6) Chloroethane	2.68	64	23607	19.859	ug/l	99
7) Trichlorofluoromethane	3.00	101	61036	20.227	ug/l	99
8) Diethyl Ether	3.38	74	21698	20.489	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35566	21.177	ug/l	91
10) Methyl Iodide	3.93	142	52975	19.514	ug/l	95
11) Tert butyl alcohol	4.73	59	36562	101.956	ug/l #	90
12) 1,1-Dichloroethene	3.72	96	34542	19.683	ug/l	87
13) Acrolein	3.57	56	17416	68.608	ug/l	96
14) Allyl chloride	4.29	41	46967	19.856	ug/l #	85
15) Acrylonitrile	4.94	53	84361	103.130	ug/l	99
16) Acetone	3.78	43	76628	99.440	ug/l	96
17) Carbon Disulfide	4.03	76	90988	18.200	ug/l	99
18) Methyl Acetate	4.29	43	51386	20.652	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	118685	20.742	ug/l	95
20) Methylene Chloride	4.52	84	40258	20.115	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	37447	20.074	ug/l	83
22) Diisopropyl ether	5.91	45	106973	19.956	ug/l #	93
23) Vinyl Acetate	5.86	43	417442	100.580	ug/l #	94
24) 1,1-Dichloroethane	5.81	63	64922	19.821	ug/l	97
25) 2-Butanone	6.80	43	110328	91.459	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	62109	19.724	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	43999	20.506	ug/l	88
28) Bromochloromethane	7.17	49	26814	20.482	ug/l #	71
29) Tetrahydrofuran	7.18	42	73069	97.899	ug/l #	87
30) Chloroform	7.35	83	69107	20.363	ug/l	97
31) Cyclohexane	7.63	56	57625	18.283	ug/l	87
32) 1,1,1-Trichloroethane	7.55	97	63118	20.115	ug/l	96
36) 1,1-Dichloropropene	7.77	75	49984	19.564	ug/l	96
37) Ethyl Acetate	6.89	43	48314	20.162	ug/l	97
38) Carbon Tetrachloride	7.75	117	55966	20.138	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059805.D
 Acq On : 21 Jan 2020 12:34
 Operator : JC/MD
 Sample : VN0121WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 11:14:54 AM

Quant Time: Jan 22 03:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	60304	19.143	ug/l	94
40) Benzene	8.02	78	152272	19.984	ug/l	100
41) Methacrylonitrile	7.14	41	17074m	14.466	ug/l	
42) 1,2-Dichloroethane	8.10	62	53981	20.895	ug/l	96
43) Isopropyl Acetate	8.14	43	80288	19.480	ug/l #	93
44) Trichloroethene	8.82	130	44784	21.530	ug/l	93
45) 1,2-Dichloropropane	9.10	63	38873	20.617	ug/l	99
46) Dibromomethane	9.19	93	27857	20.945	ug/l	91
47) Bromodichloromethane	9.39	83	56474	21.071	ug/l	98
48) Methyl methacrylate	9.18	41	34892	18.926	ug/l	89
49) 1,4-Dioxane	9.18	88	14871	440.628	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	232385	97.535	ug/l	94
52) Toluene	10.14	92	97748	20.310	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	60759	20.303	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	65276	20.730	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	39843	20.902	ug/l	97
56) Ethyl methacrylate	10.42	69	56734	19.479	ug/l	93
57) 1,3-Dichloropropane	10.70	76	64415	21.285	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	92549	105.494	ug/l	91
59) 2-Hexanone	10.74	43	167110	95.205	ug/l	93
60) Dibromochloromethane	10.89	129	46761	21.542	ug/l	98
61) 1,2-Dibromoethane	10.99	107	41186	20.615	ug/l	99
64) Tetrachloroethene	10.62	164	43594	20.212	ug/l	93
65) Chlorobenzene	11.43	112	107717	20.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42250	21.021	ug/l	98
67) Ethyl Benzene	11.50	91	188689	19.983	ug/l	97
68) m/p-Xylenes	11.62	106	144188	40.424	ug/l	93
69) o-Xylene	11.94	106	70502	20.190	ug/l	92
70) Styrene	11.96	104	114563	19.606	ug/l	96
71) Bromoform	12.12	173	33891	21.051	ug/l #	99
73) Isopropylbenzene	12.25	105	185045	20.552	ug/l	100
74) N-amyl acetate	12.06	43	65469	18.739	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	53055	20.327	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	49003m	23.718	ug/l	
77) Bromobenzene	12.52	156	47625	20.888	ug/l	82
78) n-propylbenzene	12.59	91	205690	20.354	ug/l	96
79) 2-Chlorotoluene	12.67	91	122535	20.382	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	156126	20.619	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18700	19.437	ug/l	94
82) 4-Chlorotoluene	12.77	91	123253	20.440	ug/l	94
83) tert-Butylbenzene	12.99	119	133896	20.446	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	155159	20.712	ug/l	97
85) sec-Butylbenzene	13.17	105	175028	20.342	ug/l	100
86) p-Isopropyltoluene	13.28	119	160825	20.201	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	83553	21.096	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	81949	20.741	ug/l	96
89) n-Butylbenzene	13.61	91	134954	19.881	ug/l	99
90) Hexachloroethane	13.87	117	28962	19.443	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	81961	20.933	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11600	19.429	ug/l	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
Data File : VN059805.D
Acq On : 21 Jan 2020 12:34
Operator : JC/MD
Sample : VN0121WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM

Quant Time: Jan 22 03:13:43 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48835	20.757	ug/l	98
94) Hexachlorobutadiene	15.01	225	26611	20.525	ug/l	99
95) Naphthalene	15.13	128	130232	19.461	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47478	20.732	ug/l	98

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059805.D
 Acq On : 21 Jan 2020 12:34
 Operator : JC/MD
 Sample : VN0121WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 11:14:54 AM

Quant Time: Jan 22 03:13:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

