

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064894.D
 Acq On : 3 Dec 2020 12:42
 Operator : JC/MD
 Sample : VN1203MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203MBS01

Manual Integrations
 APPROVED

SAM
 12/4/2020 5:43:35 PM

Quant Time: Dec 04 03:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	214716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	331682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	303387	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	149380	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	98766	39.57	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	79.14%
35) Dibromofluoromethane	7.55	113	85241	42.95	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	85.90%
50) Toluene-d8	10.06	98	330628	40.77	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	81.54%
62) 4-Bromofluorobenzene	12.37	95	116840	40.26	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	80.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31914	17.150	ug/l	99
3) Chloromethane	2.04	50	41632	17.216	ug/l	99
4) Vinyl Chloride	2.17	62	44816	17.776	ug/l	96
5) Bromomethane	2.53	94	29206	17.657	ug/l	100
6) Chloroethane	2.67	64	28764	18.446	ug/l	97
7) Trichlorofluoromethane	2.99	101	66071	18.958	ug/l	96
8) Diethyl Ether	3.37	74	26527	19.283	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	41102	19.660	ug/l	97
10) Methyl Iodide	3.91	142	47091	17.366	ug/l	97
11) Tert butyl alcohol	4.74	59	33675	86.503	ug/l	98
12) 1,1-Dichloroethene	3.69	96	39487	18.965	ug/l	96
13) Acrolein	3.56	56	19077	80.228	ug/l	95
14) Allyl chloride	4.27	41	63153	18.390	ug/l	97
15) Acrylonitrile	4.93	53	102753	95.546	ug/l	99
16) Acetone	3.78	43	71951	87.684	ug/l	98
17) Carbon Disulfide	4.01	76	94953	17.666	ug/l	99
18) Methyl Acetate	4.28	43	47942	19.432	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	128536	19.248	ug/l	100
20) Methylene Chloride	4.50	84	48875	19.008	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	41897	18.120	ug/l	94
22) Diisopropyl ether	5.90	45	137233	19.965	ug/l	99
23) Vinyl Acetate	5.84	43	532146	96.813	ug/l	100
24) 1,1-Dichloroethane	5.80	63	81642	19.874	ug/l	100
25) 2-Butanone	6.78	43	126180	94.858	ug/l	100
26) 2,2-Dichloropropane	6.77	77	68703	19.283	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	49433	19.000	ug/l	99
28) Bromochloromethane	7.15	49	37687	20.054	ug/l	96
29) Tetrahydrofuran	7.17	42	83380	90.806	ug/l	99
30) Chloroform	7.33	83	84013	19.832	ug/l	99
31) Cyclohexane	7.61	56	63497	18.251	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	70334	19.331	ug/l	99
36) 1,1-Dichloropropene	7.75	75	59703	19.420	ug/l	98
37) Ethyl Acetate	6.88	43	55060	18.592	ug/l #	92
38) Carbon Tetrachloride	7.73	117	63512	19.855	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064894.D
 Acq On : 3 Dec 2020 12:42
 Operator : JC/MD
 Sample : VN1203MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1203MBS01

Manual Integrations
 APPROVED

SAM
 12/4/2020 5:43:35 PM

Quant Time: Dec 04 03:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	63315	19.131	ug/l	99
40) Benzene	8.00	78	184416	19.575	ug/l	99
41) Methacrylonitrile	7.12	41	23041	16.862	ug/l	98
42) 1,2-Dichloroethane	8.08	62	61282	19.283	ug/l	100
43) Isopropyl Acetate	8.13	43	88054	18.478	ug/l	99
44) Trichloroethene	8.80	130	53442	19.226	ug/l	100
45) 1,2-Dichloropropane	9.08	63	48969	20.072	ug/l	96
46) Dibromomethane	9.17	93	32574	19.985	ug/l	97
47) Bromodichloromethane	9.37	83	64416	19.642	ug/l	95
48) Methyl methacrylate	9.16	41	42192	18.529	ug/l	96
49) 1,4-Dioxane	9.16	88	15585	362.135	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	274719	96.027	ug/l	99
52) Toluene	10.12	92	115488	19.906	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	69584	19.050	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	77762	19.861	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	47451	19.889	ug/l	97
56) Ethyl methacrylate	10.40	69	62088	18.859	ug/l	98
57) 1,3-Dichloropropane	10.68	76	80053	20.341	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	163161	90.096	ug/l	99
59) 2-Hexanone	10.72	43	199040	96.673	ug/l	98
60) Dibromochloromethane	10.87	129	51606	19.460	ug/l	98
61) 1,2-Dibromoethane	10.97	107	48743	20.110	ug/l	96
64) Tetrachloroethene	10.60	164	58819	19.927	ug/l	96
65) Chlorobenzene	11.40	112	129218	19.833	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	49517	20.681	ug/l	99
67) Ethyl Benzene	11.48	91	213016	19.571	ug/l	100
68) m/p-Xylenes	11.59	106	168192	40.816	ug/l	96
69) o-Xylene	11.92	106	77635	19.853	ug/l	99
70) Styrene	11.94	104	134977	20.447	ug/l	98
71) Bromoform	12.10	173	36894	19.292	ug/l #	97
73) Isopropylbenzene	12.22	105	212237	20.426	ug/l	100
74) N-amyl acetate	12.04	43	73969	18.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	59809	19.639	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	60503m	18.807	ug/l	
77) Bromobenzene	12.50	156	54607	19.494	ug/l	98
78) n-propylbenzene	12.56	91	237800	20.090	ug/l	97
79) 2-Chlorotoluene	12.65	91	143060	19.552	ug/l	100
80) 1,3,5-Trimethylbenzene	12.70	105	179575	20.793	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	22181	18.897	ug/l	98
82) 4-Chlorotoluene	12.74	91	150954	19.683	ug/l	99
83) tert-Butylbenzene	12.96	119	149997	20.721	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	182166	20.862	ug/l	99
85) sec-Butylbenzene	13.14	105	198211	20.622	ug/l	99
86) p-Isopropyltoluene	13.26	119	181201	20.707	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	96714	19.433	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	97908	18.602	ug/l	97
89) n-Butylbenzene	13.59	91	148890	19.375	ug/l	99
90) Hexachloroethane	13.85	117	31368	20.635	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	97710	19.995	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	11930	17.410	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120320\
Data File : VN064894.D
Acq On : 3 Dec 2020 12:42
Operator : JC/MD
Sample : VN1203MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1203MBS01

Manual Integrations
APPROVED

SAM
12/4/2020 5:43:35 PM

Quant Time: Dec 04 03:39:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	54037	17.875	ug/l	99
94) Hexachlorobutadiene	14.98	225	28011	20.796	ug/l	98
95) Naphthalene	15.10	128	151274	16.703	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	52373	19.115	ug/l	97

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120320\
 Data File : VN064894.D
 Acq On : 3 Dec 2020 12:42
 Operator : JC/MD
 Sample : VN1203MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sample ID :
 VN1203MBS01

Manual Integrations
 APPROVED

SAM
 12/4/2020 5:43:35 PM

Quant Time: Dec 04 03:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

