

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058893.D
 Acq On : 21 Oct 2019 16:57
 Operator : JC/SP
 Sample : VN1021MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021MBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:42 PM

Quant Time: Oct 22 04:58:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	420253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	688074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	633301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	292913	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	303759	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	7.57	113	218904	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
50) Toluene-d8	10.08	98	847753	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	307034	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	101661	19.402	ug/l	98
3) Chloromethane	2.04	50	124723	19.219	ug/l	99
4) Vinyl Chloride	2.17	62	127170	19.736	ug/l	100
5) Bromomethane	2.55	94	78999	19.579	ug/l	100
6) Chloroethane	2.69	64	81346	19.687	ug/l	98
7) Trichlorofluoromethane	3.00	101	152538	19.133	ug/l	100
8) Diethyl Ether	3.39	74	56340	20.449	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84312	19.076	ug/l	98
10) Methyl Iodide	3.93	142	112450	19.344	ug/l	100
11) Tert butyl alcohol	4.76	59	96578	94.422	ug/l	98
12) 1,1-Dichloroethene	3.72	96	80161	19.349	ug/l	98
13) Acrolein	3.59	56	54352	77.337	ug/l	97
14) Allyl chloride	4.30	41	161475	19.262	ug/l	98
15) Acrylonitrile	4.96	53	253662	98.592	ug/l	99
16) Acetone	3.79	43	234792	77.089	ug/l	100
17) Carbon Disulfide	4.03	76	251742	18.863	ug/l	99
18) Methyl Acetate	4.30	43	136426	19.702	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	294157	20.277	ug/l	98
20) Methylene Chloride	4.53	84	99955	19.220	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	91343	19.965	ug/l	95
22) Diisopropyl ether	5.93	45	331907	20.241	ug/l	99
23) Vinyl Acetate	5.87	43	1382024	104.904	ug/l	100
24) 1,1-Dichloroethane	5.82	63	185394	19.499	ug/l	99
25) 2-Butanone	6.82	43	356565	90.186	ug/l	100
26) 2,2-Dichloropropane	6.80	77	148516	18.059	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	101966	19.509	ug/l	99
28) Bromochloromethane	7.18	49	60707	19.171	ug/l	98
29) Tetrahydrofuran	7.19	42	236008	97.581	ug/l	99
30) Chloroform	7.36	83	182140	19.097	ug/l	97
31) Cyclohexane	7.63	56	172505	19.475	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	157599	19.604	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137778	19.558	ug/l	99
37) Ethyl Acetate	6.91	43	152798	19.907	ug/l	99
38) Carbon Tetrachloride	7.76	117	140182	19.316	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
 Data File : VN058893.D
 Acq On : 21 Oct 2019 16:57
 Operator : JC/SP
 Sample : VN1021MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1021MBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 4:55:42 PM

Quant Time: Oct 22 04:58:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152413	19.269	ug/l	99
40) Benzene	8.03	78	401536	19.411	ug/l	97
41) Methacrylonitrile	7.16	41	57084m	16.698	ug/l	
42) 1,2-Dichloroethane	8.11	62	156728	19.669	ug/l	98
43) Isopropyl Acetate	8.15	43	237050	19.256	ug/l #	92
44) Trichloroethene	8.82	130	97350	19.319	ug/l	95
45) 1,2-Dichloropropane	9.11	63	110005	19.393	ug/l	100
46) Dibromomethane	9.20	93	70569	19.679	ug/l	97
47) Bromodichloromethane	9.39	83	142153	19.234	ug/l	98
48) Methyl methacrylate	9.19	41	109030	19.521	ug/l	99
49) 1,4-Dioxane	9.19	88	34401	375.209	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	744285	103.512	ug/l	99
52) Toluene	10.15	92	244518	19.933	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	157088	19.200	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	167415	19.152	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	97013	19.197	ug/l	98
56) Ethyl methacrylate	10.43	69	148177	18.821	ug/l	99
57) 1,3-Dichloropropane	10.71	76	171502	19.336	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	314090	91.302	ug/l	99
59) 2-Hexanone	10.75	43	541435	97.447	ug/l	100
60) Dibromochloromethane	10.90	129	106261	19.536	ug/l	98
61) 1,2-Dibromoethane	11.00	107	100500	19.433	ug/l	100
64) Tetrachloroethene	10.63	164	86235	19.443	ug/l	97
65) Chlorobenzene	11.43	112	260300	20.189	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	96878	19.912	ug/l	99
67) Ethyl Benzene	11.51	91	467720	20.680	ug/l	99
68) m/p-Xylenes	11.62	106	341944	40.768	ug/l	99
69) o-Xylene	11.95	106	162428	20.305	ug/l	100
70) Styrene	11.97	104	264446	19.009	ug/l	99
71) Bromoform	12.13	173	71719	19.010	ug/l #	98
73) Isopropylbenzene	12.25	105	447442	20.902	ug/l	100
74) N-amyl acetate	12.07	43	199642	20.572	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	150058	19.936	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	132095m	19.458	ug/l	
77) Bromobenzene	12.53	156	105860	20.063	ug/l	98
78) n-propylbenzene	12.59	91	522597	20.653	ug/l	100
79) 2-Chlorotoluene	12.68	91	311766	20.131	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	378147	21.025	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49918	19.156	ug/l	99
82) 4-Chlorotoluene	12.78	91	316902	20.024	ug/l	98
83) tert-Butylbenzene	13.00	119	315814	20.534	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	373879	21.076	ug/l	99
85) sec-Butylbenzene	13.17	105	425518	20.752	ug/l	99
86) p-Isopropyltoluene	13.29	119	380621	21.037	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	190710	20.214	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	186182	19.711	ug/l	98
89) n-Butylbenzene	13.62	91	334587	20.131	ug/l	100
90) Hexachloroethane	13.88	117	70125	19.127	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	186698	20.134	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30870	18.133	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102119\
Data File : VN058893.D
Acq On : 21 Oct 2019 16:57
Operator : JC/SP
Sample : VN1021MBSD01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021MBSD01

Manual Integrations
APPROVED

MMDadoda
10/22/2019 4:55:42 PM

Quant Time: Oct 22 04:58:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	103029	19.280	ug/l	99
94) Hexachlorobutadiene	15.01	225	56247	18.715	ug/l	98
95) Naphthalene	15.13	128	297466	19.166	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	103788	19.783	ug/l	99

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

