

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059189.D
 Acq On : 12 Nov 2019 14:45
 Operator : JC/SP
 Sample : VN1112MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112MBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:40 PM

Quant Time: Nov 13 06:43:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	422303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	669053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	615071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	284138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	279426	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	
35) Dibromofluoromethane	7.57	113	215197	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
50) Toluene-d8	10.08	98	839570	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
62) 4-Bromofluorobenzene	12.40	95	304536	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	81521	19.159	ug/l	99
3) Chloromethane	2.04	50	110836	19.163	ug/l	100
4) Vinyl Chloride	2.17	62	110821	19.763	ug/l	100
5) Bromomethane	2.54	94	64276	19.919	ug/l	97
6) Chloroethane	2.68	64	65562	19.765	ug/l	100
7) Trichlorofluoromethane	3.00	101	136731	20.386	ug/l	100
8) Diethyl Ether	3.39	74	54616	20.040	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	83141	20.559	ug/l	99
10) Methyl Iodide	3.93	142	99150	19.807	ug/l	99
11) Tert butyl alcohol	4.75	59	108192	109.359	ug/l	98
12) 1,1-Dichloroethene	3.72	96	78131	19.833	ug/l	99
13) Acrolein	3.58	56	38488	75.455	ug/l	99
14) Allyl chloride	4.30	41	159658	19.730	ug/l	99
15) Acrylonitrile	4.96	53	246361	100.061	ug/l	98
16) Acetone	3.79	43	243357	90.148	ug/l	100
17) Carbon Disulfide	4.03	76	218772	17.890	ug/l	100
18) Methyl Acetate	4.30	43	141622	22.102	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	282212	20.808	ug/l	99
20) Methylene Chloride	4.53	84	97912	20.819	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	83872	19.835	ug/l	98
22) Diisopropyl ether	5.92	45	318837	20.860	ug/l	94
23) Vinyl Acetate	5.87	43	1310431	110.622	ug/l	98
24) 1,1-Dichloroethane	5.82	63	176047	20.622	ug/l	99
25) 2-Butanone	6.81	43	366544	103.025	ug/l	100
26) 2,2-Dichloropropane	6.80	77	143868	19.273	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	100091	20.402	ug/l	99
28) Bromochloromethane	7.17	49	53681	20.901	ug/l	100
29) Tetrahydrofuran	7.19	42	247401	109.439	ug/l	98
30) Chloroform	7.35	83	172282	21.037	ug/l	99
31) Cyclohexane	7.63	56	157501	19.488	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	143595	20.856	ug/l	99
36) 1,1-Dichloropropene	7.77	75	124689	19.938	ug/l	100
37) Ethyl Acetate	6.90	43	148482	21.343	ug/l	99
38) Carbon Tetrachloride	7.75	117	124967	20.077	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059189.D
 Acq On : 12 Nov 2019 14:45
 Operator : JC/SP
 Sample : VN1112MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1112MBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:40 PM

Quant Time: Nov 13 06:43:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	139589	19.233	ug/l	99
40) Benzene	8.02	78	380385	20.199	ug/l	100
41) Methacrylonitrile	7.15	41	57858m	19.125	ug/l	
42) 1,2-Dichloroethane	8.10	62	132310	20.485	ug/l	100
43) Isopropyl Acetate	8.14	43	227551	20.516	ug/l	100
44) Trichloroethene	8.82	130	91305	19.724	ug/l	99
45) 1,2-Dichloropropane	9.10	63	105565	20.638	ug/l	98
46) Dibromomethane	9.19	93	63233	19.838	ug/l	97
47) Bromodichloromethane	9.39	83	129811	20.395	ug/l	99
48) Methyl methacrylate	9.18	41	99572	20.071	ug/l	99
49) 1,4-Dioxane	9.18	88	36955	419.152	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	735037	117.124	ug/l	98
52) Toluene	10.15	92	231109	20.475	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	149173	20.286	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	160991	20.353	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	94313	20.646	ug/l	99
56) Ethyl methacrylate	10.42	69	144727	20.157	ug/l	99
57) 1,3-Dichloropropane	10.70	76	163157	20.752	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	282431	111.094	ug/l	100
59) 2-Hexanone	10.74	43	543182	112.766	ug/l	100
60) Dibromochloromethane	10.90	129	100471	20.802	ug/l	100
61) 1,2-Dibromoethane	11.00	107	95585	20.670	ug/l	99
64) Tetrachloroethene	10.62	164	83564	19.980	ug/l	97
65) Chlorobenzene	11.43	112	244405	20.384	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	91734	20.395	ug/l	97
67) Ethyl Benzene	11.51	91	450671	21.185	ug/l	100
68) m/p-Xylenes	11.62	106	331529	41.604	ug/l	98
69) o-Xylene	11.94	106	163403	21.219	ug/l	97
70) Styrene	11.96	104	257789	21.285	ug/l	99
71) Bromoform	12.13	173	72113	20.612	ug/l #	98
73) Isopropylbenzene	12.25	105	430018	20.806	ug/l	100
74) N-amyl acetate	12.07	43	185111	21.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	148623	21.116	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	130462m	20.168	ug/l	
77) Bromobenzene	12.53	156	109872	21.159	ug/l	95
78) n-propylbenzene	12.59	91	500457	21.147	ug/l	99
79) 2-Chlorotoluene	12.67	91	300965	20.501	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	363099	20.733	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49374	20.160	ug/l	98
82) 4-Chlorotoluene	12.77	91	301749	20.493	ug/l	99
83) tert-Butylbenzene	12.99	119	308812	20.418	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	362882	21.416	ug/l	98
85) sec-Butylbenzene	13.17	105	410552	20.872	ug/l	99
86) p-Isopropyltoluene	13.29	119	371994	21.419	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	177812	19.997	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	179153	20.137	ug/l	98
89) n-Butylbenzene	13.62	91	319136	20.995	ug/l	100
90) Hexachloroethane	13.88	117	69989	20.069	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	183206	20.944	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29427	20.971	ug/l #	59

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
Data File : VN059189.D
Acq On : 12 Nov 2019 14:45
Operator : JC/SP
Sample : VN1112MBSD01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1112MBSD01

Manual Integrations
APPROVED

MMDadoda
11/13/2019 12:07:40 PM

Quant Time: Nov 13 06:43:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104324	21.506	ug/l	98
94) Hexachlorobutadiene	15.01	225	59857	19.846	ug/l	97
95) Naphthalene	15.13	128	525533	36.564	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105868	21.596	ug/l	97

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

