

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052984.D
 Acq On : 19 Dec 2018 2:25
 Operator : MD\SY
 Sample : VN1218MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:08:08 PM

Quant Time: Dec 19 05:44:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1125465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1745141	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1548768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	686959	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	615768	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
35) Dibromofluoromethane	7.59	113	440804	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
50) Toluene-d8	10.09	98	2206663	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.40	95	741990	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	225902	19.832	ug/l	100
3) Chloromethane	2.06	50	277548	20.108	ug/l	99
4) Vinyl Chloride	2.19	62	283104	20.252	ug/l	100
5) Bromomethane	2.58	94	174752	18.043	ug/l	98
6) Chloroethane	2.71	64	168417	20.342	ug/l	99
7) Trichlorofluoromethane	3.03	101	351704	20.196	ug/l	99
8) Diethyl Ether	3.41	74	135056	20.557	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	219450	19.764	ug/l	98
10) Methyl Iodide	3.96	142	296729	19.030	ug/l	99
11) Tert butyl alcohol	4.78	59	72713	104.340	ug/l	97
12) 1,1-Dichloroethene	3.74	96	213781	19.929	ug/l	98
13) Acrolein	3.61	56	82498	130.557	ug/l	98
14) Allyl chloride	4.33	41	322014	19.380	ug/l	99
15) Acrylonitrile	4.99	53	404380	104.449	ug/l	99
16) Acetone	3.82	43	256721	114.640	ug/l	96
17) Carbon Disulfide	4.06	76	632259	18.073	ug/l	99
18) Methyl Acetate	4.33	43	202706	20.540	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	604674	21.064	ug/l	99
20) Methylene Chloride	4.55	84	245637	20.109	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	228045	19.786	ug/l	100
22) Diisopropyl ether	5.95	45	745066	21.007	ug/l	98
23) Vinyl Acetate	5.90	43	2140064	104.933	ug/l	99
24) 1,1-Dichloroethane	5.85	63	432554	20.524	ug/l	99
25) 2-Butanone	6.83	43	421630	112.189	ug/l	98
26) 2,2-Dichloropropane	6.83	77	254370	15.811	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	265298	20.332	ug/l	97
28) Bromochloromethane	7.20	49	185153	20.274	ug/l	95
29) Tetrahydrofuran	7.21	42	309992	110.440	ug/l	99
30) Chloroform	7.37	83	423788	20.469	ug/l	97
31) Cyclohexane	7.66	56	410688	20.150	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	351681	19.940	ug/l	99
36) 1,1-Dichloropropene	7.80	75	326956	19.519	ug/l	100
37) Ethyl Acetate	6.93	43	204019	21.818	ug/l	99
38) Carbon Tetrachloride	7.78	117	300189	19.552	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
 Data File : VN052984.D
 Acq On : 19 Dec 2018 2:25
 Operator : MD\SY
 Sample : VN1218MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 37 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218MBS02

Manual Integrations
 APPROVED

MMDadoda
 12/19/2018 12:08:08 PM

Quant Time: Dec 19 05:44:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384956	18.918	ug/l	96
40) Benzene	8.04	78	996319	19.997	ug/l	100
41) Methacrylonitrile	7.17	41	105649	19.554	ug/l	96
42) 1,2-Dichloroethane	8.13	62	298609	20.288	ug/l	99
43) Isopropyl Acetate	8.17	43	387716	20.816	ug/l	99
44) Trichloroethene	8.84	130	281197	19.513	ug/l	95
45) 1,2-Dichloropropane	9.12	63	261703	20.166	ug/l	99
46) Dibromomethane	9.21	93	151775	20.076	ug/l	98
47) Bromodichloromethane	9.40	83	314180	19.551	ug/l	99
48) Methyl methacrylate	9.20	41	185414	20.434	ug/l	97
49) 1,4-Dioxane	9.20	88	44604	388.606	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	984016	108.664	ug/l	99
52) Toluene	10.16	92	614696	19.905	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	312834	18.513	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	369515	19.051	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	219131	20.339	ug/l	99
56) Ethyl methacrylate	10.43	69	293286	20.567	ug/l	97
57) 1,3-Dichloropropane	10.71	76	378538	20.489	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	819342	104.658	ug/l	98
59) 2-Hexanone	10.75	43	657733	107.353	ug/l	100
60) Dibromochloromethane	10.90	129	237698	19.274	ug/l	100
61) 1,2-Dibromoethane	11.01	107	218930	20.008	ug/l	100
64) Tetrachloroethene	10.63	164	321122	19.141	ug/l	99
65) Chlorobenzene	11.43	112	669775	19.509	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232947	19.512	ug/l	99
67) Ethyl Benzene	11.51	91	1151974	19.511	ug/l	99
68) m/p-Xylenes	11.62	106	880146	39.213	ug/l	99
69) o-Xylene	11.95	106	426472	19.801	ug/l	100
70) Styrene	11.97	104	696142	19.822	ug/l	99
71) Bromoform	12.13	173	161515	18.727	ug/l #	99
73) Isopropylbenzene	12.25	105	1130670	21.036	ug/l	100
74) N-amyl acetate	12.07	43	326421	21.874	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	237672	22.540	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	234460m	20.275	ug/l	
77) Bromobenzene	12.53	156	288980	20.683	ug/l	98
78) n-propylbenzene	12.59	91	1254433	20.492	ug/l	100
79) 2-Chlorotoluene	12.68	91	747181	19.692	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	879469	20.075	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	66716	18.595	ug/l	99
82) 4-Chlorotoluene	12.77	91	755068	20.328	ug/l	100
83) tert-Butylbenzene	12.99	119	782094	20.185	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	881584	20.017	ug/l	100
85) sec-Butylbenzene	13.17	105	1030587	19.665	ug/l	100
86) p-Isopropyltoluene	13.29	119	880318	19.440	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	474868	19.204	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	470351	18.783	ug/l	99
89) n-Butylbenzene	13.62	91	693418	17.799	ug/l	99
90) Hexachloroethane	13.88	117	128680	18.517	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	452312	19.435	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35398	19.415	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121818\
Data File : VN052984.D
Acq On : 19 Dec 2018 2:25
Operator : MD\SY
Sample : VN1218MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 37 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1218MBS02

Manual Integrations
APPROVED

MMDadoda
12/19/2018 12:08:08 PM

Quant Time: Dec 19 05:44:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	220717	18.283	ug/l	99
94) Hexachlorobutadiene	15.01	225	129597	18.490	ug/l	98
95) Naphthalene	15.14	128	489833	18.866	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	202331	18.546	ug/l	100

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

