

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112118\
 Data File : VR026259.D
 Acq On : 21 Nov 2018 13:50
 Operator : SY/MD
 Sample : VSTD02081
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02081

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 11:06:15 AM

Quant Time: Nov 27 06:31:26 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Nov 27 06:08:04 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	624583	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	547231	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	231368	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	955684	17.28	ug/L	0.00
7) Chloroethane-d5	2.63	69	798456	17.12	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	2401039	17.93	ug/L	-0.02
20) 2-Butanone-d5	6.59	46	955488	226.52	ug/L	0.00
24) Chloroform-d	7.20	84	1879700	19.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	729426	19.79	ug/L	0.00
32) Benzene-d6	7.85	84	3906329	20.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	953657	19.83	ug/L	0.00
41) Toluene-d8	9.97	98	3805125	21.53	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	283768	21.77	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	727036	245.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	382990	19.39	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	834985	21.03	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	802373	18.69	ug/L	99
3) Chloromethane	2.02	50	1015293	17.16	ug/L	99
5) Vinyl chloride	2.17	62	1017038	17.38	ug/L	97
6) Bromomethane	2.53	94	646924	16.52	ug/L	98
8) Chloroethane	2.66	64	623185	17.00	ug/L	96
9) Trichlorofluoromethane	2.93	101	1648382m	17.75	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	880074	17.04	ug/L	98
12) 1,1-Dichloroethene	3.62	96	991220	17.76	ug/L	87
13) Acetone	3.70	43	719404	186.34	ug/L	99
14) Carbon disulfide	3.93	76	2694978	19.14	ug/L	99
15) Methyl Acetate	4.19	43	182727	17.49	ug/L	96
16) Methylene chloride	4.40	84	835704	16.41	ug/L	98
17) Methyl tert-butyl Ether	4.90	73	1145691	20.71	ug/L	97
18) trans-1,2-Dichloroethene	4.88	96	963205	20.38	ug/L	98
19) 1,1-Dichloroethane	5.69	63	1689097	19.62	ug/L	97
21) 2-Butanone	6.69	43	1027283	208.55	ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	917586	21.75	ug/L	# 99
23) Bromochloromethane	7.06	128	245642	18.72	ug/L	92
25) Chloroform	7.23	83	1673772	17.61	ug/L	99
27) 1,2-Dichloroethane	7.99	62	729015	18.62	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	1471153	19.42	ug/L	98
30) Cyclohexane	7.52	56	1465318	22.52	ug/L	99
31) Carbon tetrachloride	7.63	117	1326434	19.54	ug/L	100
33) Benzene	7.91	78	3985198	20.10	ug/L	100
34) Trichloroethene	8.71	95	1031093	20.01	ug/L	96
35) Methylcyclohexane	8.95	83	1528244	21.97	ug/L	97
37) 1,2-Dichloropropane	9.00	63	785424	18.96	ug/L	99
38) Bromodichloromethane	9.28	83	926751	18.94	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	1062210	22.81	ug/L	96
40) 4-Methyl-2-pentanone	9.87	43	2526746	213.09	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112118\
 Data File : VR026259.D
 Acq On : 21 Nov 2018 13:50
 Operator : SY/MD
 Sample : VSTD02081
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD02081

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 11:06:15 AM

Quant Time: Nov 27 06:31:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 27 06:08:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	10.04	91	4304039	20.01	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	727907	23.08	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	348986	18.94	ug/L	95
47) Tetrachloroethene	10.51	164	773538	20.83	ug/L	97
48) 2-Hexanone	10.63	43	1677233	211.34	ug/L	98
49) Dibromochloromethane	10.79	129	462511	20.88	ug/L	100
50) 1,2-Dibromoethane	10.89	107	309076	19.99	ug/L	97
51) Chlorobenzene	11.32	112	2346183	19.63	ug/L	98
52) Ethylbenzene	11.39	91	4887769	20.55	ug/L	94
53) m,p-Xylene	11.50	106	1921668	22.20	ug/L	99
54) o-Xylene	11.83	106	1869976	23.84	ug/L	86
55) Styrene	11.84	104	2851450	22.83	ug/L	99
56) Isopropylbenzene	12.13	105	4822694	22.14	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	332108	18.84	ug/L #	93
59) 1,2,3-Trichloropropane	12.43	75	242761	18.83	ug/L	98
61) Bromoform	12.01	173	187765	20.67	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	1545085	21.02	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	1514454	18.70	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	1204531	19.89	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	33866	16.48	ug/L	93
67) 1,3,5-Trichlorobenzene	14.30	180	967223	21.08	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	581869	22.84	ug/L	99
69) Naphthalene	15.00	128	653730	26.26	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	392525	20.77	ug/L	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_R\DATA\VR112118\
Data File : VR026259.D
Acq On : 21 Nov 2018 13:50
Operator : SY/MD
Sample : VSTD02081
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD02081

Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:06:15 AM

Quant Time: Nov 27 06:31:26 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 27 06:08:04 2018
Response via : Initial Calibration

