

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021119\
 Data File : VR026304.D
 Acq On : 11 Feb 2019 12:10
 Operator : SY/MD
 Sample : VSTD0.581
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

Manual Integrations
 APPROVED

mohammad
 2/16/2019 1:21:48 AM

Quant Time: Feb 14 05:33:14 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Feb 14 04:34:21 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	592845	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	465135	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	155594	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	28715	0.53	ug/L	0.00
7) Chloroethane-d5	2.63	69	22786	0.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	66477	0.51	ug/L	0.00
20) 2-Butanone-d5	6.58	46	12931m	3.75	ug/L	0.00
24) Chloroform-d	7.20	84	44996	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	15076	0.46	ug/L	0.00
32) Benzene-d6	7.85	84	70712	0.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	20167	0.50	ug/L	0.00
41) Toluene-d8	9.97	98	60423	0.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	4948	0.45	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	6691	2.69	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	7705	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	13080	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.82	85	28236	0.517 ug/L	91
3) Chloromethane	2.01	50	33811	0.542 ug/L	96
5) Vinyl chloride	2.16	62	34258	0.545 ug/L #	82
6) Bromomethane	2.52	94	22102	0.547 ug/L	91
8) Chloroethane	2.66	64	20655	0.547 ug/L	96
9) Trichlorofluoromethane	2.93	101	55012m	0.537 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	29667	0.551 ug/L	99
12) 1,1-Dichloroethene	3.62	96	31140	0.550 ug/L	87
13) Acetone	3.70	43	20898	5.749 ug/L	99
14) Carbon disulfide	3.93	76	99731	0.539 ug/L	99
15) Methyl Acetate	4.20	43	5583m	0.560 ug/L	
16) Methylene chloride	4.40	84	27495	0.573 ug/L	95
17) Methyl tert-butyl Ether	4.88	73	22417m	0.449 ug/L	
18) trans-1,2-Dichloroethene	4.88	96	26441	0.514 ug/L	96
19) 1,1-Dichloroethane	5.68	63	46479	0.527 ug/L	93
21) 2-Butanone	6.68	43	15260	3.708 ug/L	89
22) cis-1,2-Dichloroethene	6.67	96	17249	0.416 ug/L #	56
23) Bromochloromethane	7.06	128	6615	0.511 ug/L	86
25) Chloroform	7.23	83	43986	0.513 ug/L	91
27) 1,2-Dichloroethane	7.99	62	18635	0.503 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	42244	0.552 ug/L	96
30) Cyclohexane	7.51	56	21631	0.353 ug/L	98
31) Carbon tetrachloride	7.63	117	40513	0.571 ug/L	98
33) Benzene	7.90	78	89440	0.486 ug/L	100
34) Trichloroethene	8.71	95	25301	0.533 ug/L	96
35) Methylcyclohexane	8.95	83	25849	0.392 ug/L	91
37) 1,2-Dichloropropane	8.99	63	21143	0.532 ug/L #	95
38) Bromodichloromethane	9.28	83	23736	0.536 ug/L #	93
39) cis-1,3-Dichloropropene	9.72	75	16302	0.399 ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	30047	3.280 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021119\
 Data File : VR026304.D
 Acq On : 11 Feb 2019 12:10
 Operator : SY/MD
 Sample : VSTD0.581
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

Manual Integrations
 APPROVED

mohammad
 2/16/2019 1:21:48 AM

Quant Time: Feb 14 05:33:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 14 04:34:21 2019
 Response via : Initial Calibration

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

42) Toluene	10.04	91	83183	0.440	ug/L	93
44) trans-1,3-Dichloropropene	10.27	75	11984	0.395	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	9149	0.551	ug/L	89
47) Tetrachloroethene	10.51	164	18971	0.521	ug/L	87
48) 2-Hexanone	10.63	43	20326	3.300	ug/L	93
49) Dibromochloromethane	10.79	129	10575	0.496	ug/L	95
50) 1,2-Dibromoethane	10.89	107	6066	0.460	ug/L #	99
51) Chlorobenzene	11.32	112	55765	0.516	ug/L	91
52) Ethylbenzene	11.39	91	92901	0.439	ug/L	92
53) m,p-Xylene	11.50	106	31834	0.412	ug/L	90
54) o-Xylene	11.83	106	22060	0.331	ug/L	98
55) Styrene	11.84	104	34984	0.334	ug/L	97
56) Isopropylbenzene	12.13	105	67872	0.358	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	8312	0.541	ug/L #	90
59) 1,2,3-Trichloropropane	12.43	75	6171	0.557	ug/L	96
61) Bromoform	12.01	173	4430	0.578	ug/L #	88
62) 1,3-Dichlorobenzene	13.16	146	23773	0.468	ug/L	91
63) 1,4-Dichlorobenzene	13.24	146	31332	0.540	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	21282	0.489	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	1180	0.844	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.28	180	14951	0.459	ug/L	89
68) 1,2,4-trichlorobenzene	14.78	180	7611	0.433	ug/L	91
69) Naphthalene	15.00	128	5320	0.337	ug/L #	92
70) 1,2,3-Trichlorobenzene	15.18	180	5663	0.446	ug/L	98

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

