

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR062118\
 Data File : VR025391.D
 Acq On : 21 Jun 2018 10:12
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00593

Manual Integrations
 APPROVED

MMDadoda
 6/26/2018 12:01:56 PM

Quant Time: Jun 22 02:47:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 21 01:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	724067	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	587341	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	246416	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	94133	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	2.63	69	71863	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.20%
11) 1,1-Dichloroethene-d2	3.63	63	271908	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	6.60	46	261876	39.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.22%
24) Chloroform-d	7.20	84	405542	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	7.89	65	145982	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
32) Benzene-d6	7.86	84	861104	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.40%
36) 1,2-Dichloropropane-d6	8.90	67	244558	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.40%
41) Toluene-d8	9.97	98	771300	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	10.24	79	58585	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
46) 2-Hexanone-d5	10.59	63	232451	44.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.96%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	103171	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	170385	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	219789	4.70 ug/L	100
3) Chloromethane	2.01	50	127679	3.77 ug/L	97
5) Vinyl chloride	2.16	62	119022	3.97 ug/L	91
6) Bromomethane	2.53	94	67918	4.65 ug/L	90
8) Chloroethane	2.67	64	68147	4.35 ug/L	100
9) Trichlorofluoromethane	2.98	101	226020	5.16 ug/L #	36
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	121093	4.71 ug/L	97
12) 1,1-Dichloroethene	3.66	96	114471	4.50 ug/L	86
13) Acetone	3.70	43	142307	47.66 ug/L	100
14) Carbon disulfide	3.96	76	220020	4.11 ug/L	96
15) Methyl Acetate	4.20	43	30029	4.00 ug/L	95
16) Methylene chloride	4.41	84	100618	4.35 ug/L	92
17) Methyl tert-butyl Ether	4.90	73	346238	4.56 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	259221	4.95 ug/L	87
19) 1,1-Dichloroethane	5.69	63	483845	4.92 ug/L	99
21) 2-Butanone	6.69	43	352172	49.91 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	274466	5.03 ug/L #	100

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

23) Bromochloromethane	7.05	128	79032	4.94	ug/L	97
25) Chloroform	7.23	83	455567	5.07	ug/L	97
27) 1,2-Dichloroethane	7.99	62	200140m	4.88	ug/L	
29) 1,1,1-Trichloroethane	7.42	97	333724	4.78	ug/L	99
30) Cyclohexane	7.52	56	391332	4.39	ug/L	100
31) Carbon tetrachloride	7.64	117	292993	4.78	ug/L	94
33) Benzene	7.91	78	1120495	4.86	ug/L	100
34) Trichloroethene	8.71	95	260870	4.68	ug/L	97
35) Methylcyclohexane	8.96	83	399890	4.54	ug/L	99
37) 1,2-Dichloropropane	8.99	63	258771	5.05	ug/L	99
38) Bromodichloromethane	9.28	83	251254	5.05	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	290562	4.81	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	837627	50.49	ug/L	98
42) Toluene	10.03	91	1143482	4.63	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	202479	4.88	ug/L	99
45) 1,1,2-Trichloroethane	10.44	97	119426	5.02	ug/L	97
47) Tetrachloroethene	10.51	164	178527	4.79	ug/L	95
48) 2-Hexanone	10.63	43	569078	53.82	ug/L	97
49) Dibromochloromethane	10.78	129	118337	5.16	ug/L	99
50) 1,2-Dibromoethane	10.89	107	94884	4.97	ug/L	89
51) Chlorobenzene	11.31	112	652199	4.93	ug/L	98
52) Ethylbenzene	11.39	91	1278054	5.21	ug/L	99
53) m,p-Xylene	11.50	106	477985	5.11	ug/L	94
54) o-Xylene	11.83	106	436272	5.22	ug/L	99
55) Styrene	11.84	104	710608	5.53	ug/L	96
56) Isopropylbenzene	12.13	105	1200229	5.34	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	121642	5.52	ug/L #	97
59) 1,2,3-Trichloropropane	12.44	75	80466	5.06	ug/L	98
61) Bromoform	12.01	173	38780	4.41	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	404813	4.68	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	416441	4.82	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	339750	4.90	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	11939	4.36	ug/L #	56
67) 1,3,5-Trichlorobenzene	14.29	180	279283	4.88	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	188943	4.74	ug/L	97
69) Naphthalene	15.00	128	246731	4.75	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	147504	4.78	ug/L	99

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

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