

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092818\
 Data File : VR025906.D
 Acq On : 28 Sep 2018 18:03
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 12:05:18 PM

Quant Time: Sep 29 05:57:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Sep 29 05:14:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	524528	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	456236	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	169037	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	168489	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	2.63	69	149203	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	3.64	63	394775	4.06	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.20%
20) 2-Butanone-d5	6.59	46	229555	49.78	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.56%
24) Chloroform-d	7.20	84	318768	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	7.90	65	139051	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
32) Benzene-d6	7.85	84	609769	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.40%
36) 1,2-Dichloropropane-d6	8.90	67	173163	4.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.60%
41) Toluene-d8	9.97	98	563583	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
43) trans-1,3-Dichloropropene-	10.24	79	39303	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	10.59	63	176140	49.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.46%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	75440	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	116209	4.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	130987	4.108	ug/L 95
3) Chloromethane	2.01	50	198615	4.381	ug/L 94
5) Vinyl chloride	2.17	62	188149	4.170	ug/L 93
6) Bromomethane	2.52	94	125188	4.444	ug/L 99
8) Chloroethane	2.66	64	121883	4.747	ug/L 96
9) Trichlorofluoromethane	2.94	101	295324m	4.714	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	176441	4.607	ug/L 96
12) 1,1-Dichloroethene	3.65	96	183669	4.639	ug/L 83
13) Acetone	3.70	43	154035	46.087	ug/L 99
14) Carbon disulfide	3.95	76	463948	4.840	ug/L 97
15) Methyl Acetate	4.19	43	40732	4.395	ug/L 100
16) Methylene chloride	4.40	84	159310	4.375	ug/L 95
17) Methyl tert-butyl Ether	4.89	73	193886	4.422	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	151210	4.617	ug/L 80
19) 1,1-Dichloroethane	5.69	63	282129	4.351	ug/L 95
21) 2-Butanone	6.69	43	207743	45.191	ug/L 98
22) cis-1,2-Dichloroethene	6.67	96	143706	4.361	ug/L # 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	39566	4.426	ug/L	88
25) Chloroform	7.23	83	279553	4.428	ug/L	100
27) 1,2-Dichloroethane	7.99	62	141144	4.480	ug/L #	95
29) 1,1,1-Trichloroethane	7.43	97	227972	4.443	ug/L	98
30) Cyclohexane	7.52	56	272716	4.254	ug/L	97
31) Carbon tetrachloride	7.63	117	201169	4.528	ug/L	98
33) Benzene	7.91	78	667203	4.360	ug/L	100
34) Trichloroethene	8.71	95	168754	4.185	ug/L	92
35) Methylcyclohexane	8.95	83	269413	4.444	ug/L	97
37) 1,2-Dichloropropane	9.00	63	142136	4.330	ug/L	99
38) Bromodichloromethane	9.28	83	157216	4.439	ug/L	91
39) cis-1,3-Dichloropropene	9.72	75	169573	4.607	ug/L	95
40) 4-Methyl-2-pentanone	9.87	43	522225	45.240	ug/L	97
42) Toluene	10.04	91	702113	4.415	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	111727	4.649	ug/L	92
45) 1,1,2-Trichloroethane	10.45	97	64030	4.312	ug/L	95
47) Tetrachloroethene	10.51	164	105812	4.259	ug/L	94
48) 2-Hexanone	10.63	43	339612	44.935	ug/L	99
49) Dibromochloromethane	10.79	129	68692	4.558	ug/L	98
50) 1,2-Dibromoethane	10.89	107	52986	4.522	ug/L	90
51) Chlorobenzene	11.32	112	376222	4.460	ug/L	94
52) Ethylbenzene	11.39	91	818118	4.508	ug/L	98
53) m,p-Xylene	11.50	106	293295	4.539	ug/L	87
54) o-Xylene	11.83	106	267719	4.451	ug/L	99
55) Styrene	11.84	104	418910	4.475	ug/L	93
56) Isopropylbenzene	12.13	105	761762	4.592	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	59462	4.156	ug/L	88
59) 1,2,3-Trichloropropane	12.43	75	46152	4.334	ug/L	96
61) Bromoform	12.01	173	22496	4.402	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	212027	4.292	ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	218551	4.324	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	166946	4.206	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	6972	4.177	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.29	180	133892	4.550	ug/L	93
68) 1,2,4-trichlorobenzene	14.78	180	80370	4.284	ug/L	98
69) Naphthalene	15.00	128	103691	4.331	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	56120	4.312	ug/L	96

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

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