

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR092718\
 Data File : VR025878.D
 Acq On : 27 Sep 2018 16:32
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:53:54 AM

Quant Time: Sep 28 05:37:35 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Sep 27 16:45:32 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	575738	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	487784	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	177045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	224168	4.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.80%
7) Chloroethane-d5	2.63	69	174462	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	3.63	63	491941	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.20%
20) 2-Butanone-d5	6.59	46	260037	51.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	7.20	84	384112	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
26) 1,2-Dichloroethane-d4	7.90	65	166319	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	7.85	84	792700	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	8.90	67	213372	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	9.97	98	749379	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	10.24	79	49821	5.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.40%
46) 2-Hexanone-d5	10.59	63	197770	52.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.44%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	86022	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	137664	4.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	165885	4.740 ug/L	97
3) Chloromethane	2.01	50	238612	4.795 ug/L	99
5) Vinyl chloride	2.17	62	227694	4.597 ug/L	99
6) Bromomethane	2.52	94	139529	4.512 ug/L	97
8) Chloroethane	2.66	64	132195	4.691 ug/L	98
9) Trichlorofluoromethane	2.93	101	326145m	4.743 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	195503	4.651 ug/L	95
12) 1,1-Dichloroethene	3.65	96	202610	4.662 ug/L	89
13) Acetone	3.70	43	161050	43.900 ug/L	97
14) Carbon disulfide	3.96	76	488805	4.646 ug/L	99
15) Methyl Acetate	4.19	43	47160	4.636 ug/L	93
16) Methylene chloride	4.40	84	169890	4.251 ug/L	92
17) Methyl tert-butyl Ether	4.90	73	236875	4.922 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	177489	4.938 ug/L	91
19) 1,1-Dichloroethane	5.69	63	334089	4.694 ug/L	99
21) 2-Butanone	6.69	43	244553	48.466 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	172038	4.757 ug/L #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	46622	4.752	ug/L	96
25) Chloroform	7.23	83	328568	4.741	ug/L	99
27) 1,2-Dichloroethane	7.99	62	164941	4.770	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	256498	4.676	ug/L	98
30) Cyclohexane	7.51	56	333992	4.873	ug/L	97
31) Carbon tetrachloride	7.63	117	238551	5.022	ug/L	99
33) Benzene	7.91	78	767396	4.690	ug/L	100
34) Trichloroethene	8.71	95	202617	4.700	ug/L	98
35) Methylcyclohexane	8.96	83	317412	4.897	ug/L	97
37) 1,2-Dichloropropane	9.00	63	168685	4.806	ug/L	99
38) Bromodichloromethane	9.28	83	179166	4.731	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	188357	4.786	ug/L	92
40) 4-Methyl-2-pentanone	9.87	43	597738	48.432	ug/L	98
42) Toluene	10.04	91	809214	4.760	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	127826	4.975	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	71967	4.533	ug/L	96
47) Tetrachloroethene	10.51	164	124714	4.695	ug/L	96
48) 2-Hexanone	10.63	43	399000	49.378	ug/L	98
49) Dibromochloromethane	10.79	129	74184	4.604	ug/L	97
50) 1,2-Dibromoethane	10.89	107	63812	5.094	ug/L #	99
51) Chlorobenzene	11.32	112	432752	4.799	ug/L	94
52) Ethylbenzene	11.39	91	940753	4.848	ug/L	100
53) m,p-Xylene	11.50	106	337215	4.882	ug/L	91
54) o-Xylene	11.83	106	309213	4.809	ug/L	98
55) Styrene	11.84	104	483006	4.826	ug/L	97
56) Isopropylbenzene	12.13	105	873949	4.928	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.38	83	72897	4.766	ug/L #	93
59) 1,2,3-Trichloropropane	12.43	75	54278	4.768	ug/L	97
61) Bromoform	12.01	173	25180	4.705	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	256767	4.962	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	250410	4.731	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	191288	4.601	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	7079	4.050	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.29	180	148945	4.832	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	93855	4.777	ug/L	99
69) Naphthalene	15.00	128	123885	4.940	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	67714	4.967	ug/L	98

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

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