

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092518\
 Data File : VR025843.D
 Acq On : 25 Sep 2018 12:20
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

Manual Integrations
 APPROVED

MMDadoda
 9/26/2018 11:12:48 AM

Quant Time: Sep 26 06:54:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 25 08:50:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	428262	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	344788	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	119804	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	150495	4.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.20%
7) Chloroethane-d5	2.62	69	128453	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.60%
11) 1,1-Dichloroethene-d2	3.63	63	396183	5.34	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.80%
20) 2-Butanone-d5	6.59	46	191195	46.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.54%
24) Chloroform-d	7.20	84	299378	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	7.89	65	127269	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
32) Benzene-d6	7.85	84	592422	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
36) 1,2-Dichloropropane-d6	8.90	67	165007	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	9.97	98	539810	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	10.23	79	38459	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	10.59	63	145331	45.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.10%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	65469	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	95286	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	209935	4.706	ug/L 99
3) Chloromethane	2.01	50	248895	5.126	ug/L 99
5) Vinyl chloride	2.17	62	252273	5.485	ug/L 98
6) Bromomethane	2.52	94	144846	5.540	ug/L 97
8) Chloroethane	2.65	64	144914	5.545	ug/L 95
9) Trichlorofluoromethane	2.93	101	361278m	6.334	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	213415	6.141	ug/L 97
12) 1,1-Dichloroethene	3.64	96	204562	5.537	ug/L 95
13) Acetone	3.69	43	168263	62.374	ug/L 96
14) Carbon disulfide	3.94	76	539062	5.186	ug/L 99
15) Methyl Acetate	4.19	43	46067	5.323	ug/L 95
16) Methylene chloride	4.40	84	172477	5.193	ug/L 96
17) Methyl tert-butyl Ether	4.90	73	263169	4.073	ug/L 97
18) trans-1,2-Dichloroethene	4.88	96	193881	4.639	ug/L 96
19) 1,1-Dichloroethane	5.69	63	386619	4.524	ug/L 96
21) 2-Butanone	6.69	43	262989	46.776	ug/L 99
22) cis-1,2-Dichloroethene	6.67	96	191886	4.558	ug/L # 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	47046	4.240	ug/L	90
25) Chloroform	7.23	83	367594	4.678	ug/L	100
27) 1,2-Dichloroethane	7.99	62	176926	4.357	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	306030	4.395	ug/L	97
30) Cyclohexane	7.51	56	408019	4.915	ug/L	98
31) Carbon tetrachloride	7.63	117	255651	4.462	ug/L	100
33) Benzene	7.91	78	865497	4.782	ug/L	100
34) Trichloroethene	8.71	95	220788	4.596	ug/L	96
35) Methylcyclohexane	8.95	83	386087	4.901	ug/L	99
37) 1,2-Dichloropropane	9.00	63	186363	4.618	ug/L	99
38) Bromodichloromethane	9.28	83	199747	4.483	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	223008	4.514	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	656266	46.709	ug/L	98
42) Toluene	10.03	91	900156	4.880	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	147960	4.322	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	77549	4.584	ug/L	95
47) Tetrachloroethene	10.51	164	121962	4.439	ug/L	97
48) 2-Hexanone	10.63	43	434227	46.994	ug/L	98
49) Dibromochloromethane	10.79	129	78586	4.458	ug/L	98
50) 1,2-Dibromoethane	10.89	107	63323	4.253	ug/L #	99
51) Chlorobenzene	11.32	112	450371	4.654	ug/L	99
52) Ethylbenzene	11.39	91	1054817	4.970	ug/L	100
53) m,p-Xylene	11.50	106	370570	4.842	ug/L	100
54) o-Xylene	11.83	106	338143	4.825	ug/L	95
55) Styrene	11.84	104	531033	4.891	ug/L	97
56) Isopropylbenzene	12.13	105	974030	4.966	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	78005	4.698	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	59053	4.480	ug/L	100
61) Bromoform	12.01	173	23654	4.231	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	261993	4.726	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	254111	4.749	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	201822	4.782	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	7479	3.876	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	147624	4.721	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	92912	4.670	ug/L	99
69) Naphthalene	15.00	128	134114	4.631	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	64150	4.538	ug/L	99

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

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