

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091818\
 Data File : VR025768.D
 Acq On : 18 Sep 2018 23:08
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00508

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 11:58:54 AM

Quant Time: Sep 19 09:48:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 16:10:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	766905	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	664353	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	277530	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	189804	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	2.63	69	145125	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.80%
11) 1,1-Dichloroethene-d2	3.64	63	482234	4.53	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.60%
20) 2-Butanone-d5	6.59	46	219506	66.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.52%#
24) Chloroform-d	7.20	84	465861	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	7.89	65	164545	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	7.85	84	1111652	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	8.90	67	288251	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	9.97	98	1055913	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
43) trans-1,3-Dichloropropene-	10.24	79	65504	5.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.20%
46) 2-Hexanone-d5	10.59	63	267949	75.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	150.68%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	134392	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	219242	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	180901	4.247	ug/L	100
3) Chloromethane	2.01	50	188268	3.850	ug/L	99
5) Vinyl chloride	2.17	62	198078	4.006	ug/L	89
6) Bromomethane	2.52	94	136005	3.919	ug/L	89
8) Chloroethane	2.66	64	115714	3.817	ug/L	98
9) Trichlorofluoromethane	2.94	101	388206m	4.249	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	208970	4.114	ug/L	97
12) 1,1-Dichloroethene	3.66	96	207201	4.214	ug/L	89
13) Acetone	3.70	43	120423	60.693	ug/L	98
14) Carbon disulfide	3.96	76	442563	3.766	ug/L	98
15) Methyl Acetate	4.21	43	33989	4.219	ug/L	99
16) Methylene chloride	4.40	84	180241	4.027	ug/L	94
17) Methyl tert-butyl Ether	4.90	73	307196	4.917	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	294074	4.754	ug/L	97
19) 1,1-Dichloroethane	5.69	63	456058	4.563	ug/L	97
21) 2-Butanone	6.69	43	290173	61.887	ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	278535	5.157	ug/L #	100

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

23) Bromochloromethane	7.06	128	86062	4.742	uq/L	99
25) Chloroform	7.23	83	420961	4.608	uq/L	98
27) 1,2-Dichloroethane	7.99	62	174411	4.741	uq/L	97
29) 1,1,1-Trichloroethane	7.43	97	319357	4.746	uq/L	98
30) Cyclohexane	7.52	56	407133	4.864	uq/L	98
31) Carbon tetrachloride	7.64	117	296309	4.384	uq/L	100
33) Benzene	7.91	78	1194893	4.849	uq/L	100
34) Trichloroethene	8.71	95	264766	4.533	uq/L	93
35) Methylcyclohexane	8.96	83	453203	4.923	uq/L	98
37) 1,2-Dichloropropane	9.00	63	261943	4.812	uq/L	99
38) Bromodichloromethane	9.28	83	235036	4.823	uq/L	99
39) cis-1,3-Dichloropropene	9.72	75	272553	5.135	uq/L	99
40) 4-Methyl-2-pentanone	9.87	43	779296	58.438	uq/L	97
42) Toluene	10.04	91	1247527	5.030	uq/L	94
44) trans-1,3-Dichloropropene	10.26	75	186465	5.016	uq/L	94
45) 1,1,2-Trichloroethane	10.45	97	125074	5.226	uq/L	90
47) Tetrachloroethene	10.51	164	208800	4.681	uq/L	96
48) 2-Hexanone	10.63	43	540606	55.900	uq/L	99
49) Dibromochloromethane	10.79	129	137205	5.149	uq/L	92
50) 1,2-Dibromoethane	10.89	107	98190	4.966	uq/L	91
51) Chlorobenzene	11.32	112	731130	4.794	uq/L	99
52) Ethylbenzene	11.39	91	1338254	4.899	uq/L	98
53) m,p-Xylene	11.50	106	521806	4.894	uq/L	100
54) o-Xylene	11.83	106	492719	5.297	uq/L	98
55) Styrene	11.84	104	798434	5.258	uq/L	98
56) Isopropylbenzene	12.13	105	1259013	5.111	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	123721	4.889	uq/L	99
59) 1,2,3-Trichloropropane	12.43	75	84422	4.904	uq/L	98
61) Bromoform	12.01	173	52124	4.445	uq/L #	97
62) 1,3-Dichlorobenzene	13.16	146	402403	4.556	uq/L	99
63) 1,4-Dichlorobenzene	13.24	146	455538	4.501	uq/L	96
65) 1,2-Dichlorobenzene	13.53	146	366055	4.715	uq/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	10588	4.839	uq/L #	88
67) 1,3,5-Trichlorobenzene	14.29	180	245453	4.635	uq/L	98
68) 1,2,4-trichlorobenzene	14.79	180	142616	4.549	uq/L	98
69) Naphthalene	15.00	128	157129	4.453	uq/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	114116	4.720	uq/L	99

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

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