

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091318\
 Data File : VR025724.D
 Acq On : 13 Sep 2018 20:58
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00502

Manual Integrations
 APPROVED

MMDadoda
 9/14/2018 3:10:14 PM

Quant Time: Sep 14 07:57:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 06:42:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	820874	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	710870	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	303345	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	131072	3.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.40%
7) Chloroethane-d5	2.63	69	119714	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	3.63	63	383606	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	6.59	46	194608	54.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.04%
24) Chloroform-d	7.20	84	361230	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	7.90	65	126653	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	7.85	84	833954	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.80%
36) 1,2-Dichloropropane-d6	8.90	67	230864	4.46	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.20%
41) Toluene-d8	9.97	98	813960	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	10.24	79	48761	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	10.59	63	206386	54.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.02%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	106242	4.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	177746	4.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	166277	3.97 ug/L	96
3) Chloromethane	2.01	50	201219	3.92 ug/L	98
5) Vinyl chloride	2.17	62	209508	4.10 ug/L	100
6) Bromomethane	2.52	94	146648	4.01 ug/L	99
8) Chloroethane	2.66	64	125246	4.18 ug/L	96
9) Trichlorofluoromethane	2.93	101	401668m	4.27 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	218258	4.30 ug/L	97
12) 1,1-Dichloroethene	3.66	96	218508	4.08 ug/L	84
13) Acetone	3.70	43	141013	58.08 ug/L	93
14) Carbon disulfide	3.97	76	489951	3.88 ug/L	98
15) Methyl Acetate	4.19	43	36766	4.25 ug/L #	77
16) Methylene chloride	4.40	84	200797	4.24 ug/L	97
17) Methyl tert-butyl Ether	4.90	73	284083	4.31 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	285065	4.36 ug/L	94
19) 1,1-Dichloroethane	5.69	63	426990	4.23 ug/L	95
21) 2-Butanone	6.69	43	285936	55.81 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	262634	4.61 ug/L #	100

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

23) Bromochloromethane	7.05	128	81851	4.19	ug/L #	80
25) Chloroform	7.23	83	396389	4.30	ug/L	98
27) 1,2-Dichloroethane	7.99	62	163125	4.48	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	290903	4.11	ug/L	98
30) Cyclohexane	7.52	56	378555	4.45	ug/L	96
31) Carbon tetrachloride	7.63	117	290064	4.23	ug/L	97
33) Benzene	7.91	78	1112902	4.39	ug/L	100
34) Trichloroethene	8.71	95	269424	4.39	ug/L	95
35) Methylcyclohexane	8.95	83	445243	4.70	ug/L	98
37) 1,2-Dichloropropane	9.00	63	251889	4.41	ug/L	99
38) Bromodichloromethane	9.28	83	218760	4.27	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	251585	4.31	ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	741318	52.53	ug/L	98
42) Toluene	10.04	91	1206603	4.65	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	181594	4.42	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	115400	4.31	ug/L	91
47) Tetrachloroethene	10.51	164	216012	4.30	ug/L	96
48) 2-Hexanone	10.63	43	495446	50.06	ug/L	99
49) Dibromochloromethane	10.79	129	119368	4.19	ug/L	98
50) 1,2-Dibromoethane	10.89	107	93172	4.39	ug/L #	88
51) Chlorobenzene	11.32	112	701325	4.30	ug/L	99
52) Ethylbenzene	11.39	91	1300181	4.65	ug/L	99
53) m,p-Xylene	11.50	106	510035	4.54	ug/L	97
54) o-Xylene	11.83	106	475360	4.80	ug/L	97
55) Styrene	11.84	104	772713	4.85	ug/L	99
56) Isopropylbenzene	12.13	105	1246883	5.05	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	117891	4.53	ug/L	92
59) 1,2,3-Trichloropropane	12.43	75	75630	4.32	ug/L	96
61) Bromoform	12.01	173	41430	3.19	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	392453	4.14	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	447962	4.16	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	345924	4.23	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	9434	3.92	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	250350	4.44	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	147843	4.28	ug/L	98
69) Naphthalene	15.00	128	155895	4.03	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	122145	4.47	ug/L	95

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

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