

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR061618\
 Data File : VR025339.D
 Acq On : 16 Jun 2018 23:33
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 1:09:10 PM

Quant Time: Jun 18 05:36:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 18 04:02:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	571030	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	492375	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	194523	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	110352	5.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	113.40%
7) Chloroethane-d5	2.64	69	77179	5.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.00%
11) 1,1-Dichloroethene-d2	3.64	63	284734	5.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	113.80%
20) 2-Butanone-d5	6.59	46	269328	51.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.32%
24) Chloroform-d	7.20	84	366321	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	7.90	65	148358	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	7.85	84	840981	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	8.90	67	241681	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	9.97	98	770863	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	10.24	79	53029	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	10.59	63	231887	52.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.86%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	105056	5.69	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	160685	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	184612	5.002	ug/L 100
3) Chloromethane	2.01	50	133037	4.979	ug/L 99
5) Vinyl chloride	2.16	62	125990	5.328	ug/L 96
6) Bromomethane	2.53	94	60024	5.208	ug/L 98
8) Chloroethane	2.67	64	66191	5.362	ug/L 87
9) Trichlorofluoromethane	2.93	101	202271m	5.857	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	118985	5.873	ug/L 99
12) 1,1-Dichloroethene	3.66	96	115602	5.759	ug/L 79
13) Acetone	3.70	43	127311	54.070	ug/L 97
14) Carbon disulfide	3.96	76	218027	5.163	ug/L 98
15) Methyl Acetate	4.20	43	30081	5.081	ug/L 95
16) Methylene chloride	4.40	84	103169m	5.649	ug/L
17) Methyl tert-butyl Ether	4.90	73	275160	4.599	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	214161	5.190	ug/L 95
19) 1,1-Dichloroethane	5.69	63	395752	5.105	ug/L 95
21) 2-Butanone	6.69	43	306594	55.091	ug/L 97
22) cis-1,2-Dichloroethene	6.67	96	227353	5.280	ug/L 97

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

23) Bromochloromethane	7.05	128	64091	5.083	ug/L	88
25) Chloroform	7.23	83	372421	5.255	ug/L	98
27) 1,2-Dichloroethane	7.99	62	166749	5.155	ug/L #	93
29) 1,1,1-Trichloroethane	7.43	97	260093	4.447	ug/L	96
30) Cyclohexane	7.52	56	353271	4.732	ug/L	99
31) Carbon tetrachloride	7.63	117	234662	4.570	ug/L	99
33) Benzene	7.91	78	984529	5.093	ug/L	100
34) Trichloroethene	8.71	95	224945	4.809	ug/L	98
35) Methylcyclohexane	8.95	83	365008	4.946	ug/L	98
37) 1,2-Dichloropropane	8.99	63	224738	5.229	ug/L	99
38) Bromodichloromethane	9.28	83	200868	4.820	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	222721	4.400	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	767806	55.211	ug/L	98
42) Toluene	10.03	91	1009729	4.874	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	150116	4.312	ug/L	97
45) 1,1,2-Trichloroethane	10.44	97	103480	5.187	ug/L	96
47) Tetrachloroethene	10.51	164	145739	4.668	ug/L	92
48) 2-Hexanone	10.63	43	498802	56.267	ug/L	99
49) Dibromochloromethane	10.78	129	90280	4.700	ug/L	94
50) 1,2-Dibromoethane	10.89	107	82636	5.167	ug/L #	100
51) Chlorobenzene	11.31	112	561200	5.058	ug/L	98
52) Ethylbenzene	11.39	91	1094401	5.325	ug/L	98
53) m,p-Xylene	11.50	106	410360	5.230	ug/L	93
54) o-Xylene	11.83	106	376124	5.364	ug/L	100
55) Styrene	11.84	104	610248	5.662	ug/L	98
56) Isopropylbenzene	12.13	105	1026276	5.443	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	106084	5.742	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	69064	5.180	ug/L	97
61) Bromoform	12.01	173	25593	3.689	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	323948	4.745	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	341413	5.002	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	280510	5.127	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	8553	3.957	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	204874	4.532	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	134236	4.265	ug/L	98
69) Naphthalene	15.00	128	179878	4.391	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	110258	4.527	ug/L	98

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

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