

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR091418\
 Data File : VR025726.D
 Acq On : 14 Sep 2018 9:45
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00503

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 1:11:26 PM

Quant Time: Sep 15 03:16:06 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Sep 13 03:48:20 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	793964	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	691845	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	299063	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	147305	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	2.62	69	133258	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	3.63	63	447963	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.00%
20) 2-Butanone-d5	6.59	46	156157	44.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.62%
24) Chloroform-d	7.20	84	384635	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	7.90	65	125895	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	7.85	84	911958	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	8.89	67	234158	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	9.97	98	901244	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	10.24	79	51899	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	10.59	63	190608	51.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.50%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	109537	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	13.52	152	199233	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	212523	5.249 ug/L	98
3) Chloromethane	2.01	50	254218	5.115 ug/L	95
5) Vinyl chloride	2.17	62	251725	5.096 ug/L	100
6) Bromomethane	2.52	94	184674	5.223 ug/L	97
8) Chloroethane	2.66	64	146862	5.063 ug/L	99
9) Trichlorofluoromethane	2.93	101	503933m	5.533 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	284682	5.801 ug/L	98
12) 1,1-Dichloroethene	3.64	96	267997	5.174 ug/L	88
13) Acetone	3.70	43	106775	45.469 ug/L	92
14) Carbon disulfide	3.95	76	666886	5.457 ug/L	96
15) Methyl Acetate	4.19	43	30999	3.703 ug/L	92
16) Methylene chloride	4.40	84	222967	4.862 ug/L	94
17) Methyl tert-butyl Ether	4.90	73	307053	4.819 ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	328907	5.196 ug/L	97
19) 1,1-Dichloroethane	5.69	63	492519	5.046 ug/L	99
21) 2-Butanone	6.69	43	253388	51.130 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	288649	5.241 ug/L #	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	87991	4.657	ug/L	95
25) Chloroform	7.23	83	442951	4.967	ug/L	99
27) 1,2-Dichloroethane	7.99	62	173571	4.932	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	351849	5.105	ug/L	98
30) Cyclohexane	7.51	56	493057	5.954	ug/L	96
31) Carbon tetrachloride	7.63	117	352316	5.274	ug/L	97
33) Benzene	7.91	78	1295818	5.257	ug/L	100
34) Trichloroethene	8.71	95	305669	5.117	ug/L	99
35) Methylcyclohexane	8.95	83	575331	6.240	ug/L	98
37) 1,2-Dichloropropane	9.00	63	278700	5.015	ug/L	99
38) Bromodichloromethane	9.28	83	238707	4.784	ug/L	89
39) cis-1,3-Dichloropropene	9.72	75	288147	5.071	ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	699723	50.942	ug/L	99
42) Toluene	10.04	91	1392217	5.518	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	192665	4.821	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	122239	4.696	ug/L	93
47) Tetrachloroethene	10.51	164	262155	5.359	ug/L	97
48) 2-Hexanone	10.63	43	489089	50.772	ug/L	100
49) Dibromochloromethane	10.79	129	137005	4.942	ug/L	99
50) 1,2-Dibromoethane	10.89	107	95512	4.619	ug/L #	90
51) Chlorobenzene	11.32	112	812513	5.123	ug/L	100
52) Ethylbenzene	11.39	91	1549693	5.701	ug/L	99
53) m,p-Xylene	11.50	106	612474	5.599	ug/L	98
54) o-Xylene	11.83	106	559978	5.811	ug/L	98
55) Styrene	11.84	104	890805	5.740	ug/L	99
56) Isopropylbenzene	12.13	105	1500701	6.249	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	123161	4.858	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	79745	4.677	ug/L	94
61) Bromoform	12.01	173	54483	4.258	ug/L	92
62) 1,3-Dichlorobenzene	13.16	146	470128	5.032	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	526492	4.955	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	397327	4.930	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	9104	3.841	ug/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	286428	5.157	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	163281	4.793	ug/L	99
69) Naphthalene	15.00	128	162065	4.253	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	129368	4.797	ug/L	99

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

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