

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101618\
 Data File : VR026109.D
 Acq On : 16 Oct 2018 19:52
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 5:44:10 PM

Quant Time: Oct 17 09:39:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 08:49:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	563679	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	489218	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	191442	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	221617	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	2.62	69	207391	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	3.61	63	568761	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	6.59	46	221635	54.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.44%
24) Chloroform-d	7.20	84	377887	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	7.90	65	157718	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	7.85	84	716208	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	8.90	67	191145	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	9.97	98	678029	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	10.24	79	45691	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	10.59	63	179645	58.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	116.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	83572	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	136318	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	170307	4.498 ug/L	93
3) Chloromethane	2.01	50	295518	4.915 ug/L	95
5) Vinyl chloride	2.17	62	315670	5.270 ug/L	97
6) Bromomethane	2.52	94	199420	5.041 ug/L	94
8) Chloroethane	2.66	64	188928	5.090 ug/L	99
9) Trichlorofluoromethane	2.93	101	468147m	5.414 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	265675	5.154 ug/L	100
12) 1,1-Dichloroethene	3.63	96	283710	5.176 ug/L	87
13) Acetone	3.70	43	205894	49.176 ug/L	98
14) Carbon disulfide	3.93	76	754342	5.264 ug/L	99
15) Methyl Acetate	4.19	43	56032	5.123 ug/L	99
16) Methylene chloride	4.40	84	241803	4.865 ug/L	99
17) Methyl tert-butyl Ether	4.89	73	238156	4.786 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	199615	4.816 ug/L	98
19) 1,1-Dichloroethane	5.69	63	371102	4.768 ug/L	98
21) 2-Butanone	6.69	43	237358	49.142 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	200682	5.118 ug/L #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	53250	4.841	ug/L	96
25) Chloroform	7.23	83	368522	4.852	ug/L	99
27) 1,2-Dichloroethane	7.99	62	181268	4.875	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	316531	4.735	ug/L	99
30) Cyclohexane	7.51	56	345409	5.147	ug/L	99
31) Carbon tetrachloride	7.63	117	286284	4.710	ug/L	100
33) Benzene	7.91	78	894134	4.871	ug/L	100
34) Trichloroethene	8.71	95	226284	4.816	ug/L	97
35) Methylcyclohexane	8.95	83	350100	5.005	ug/L	98
37) 1,2-Dichloropropane	9.00	63	188017	4.855	ug/L	99
38) Bromodichloromethane	9.28	83	203686	4.890	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	219077	4.942	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	635944	53.768	ug/L	98
42) Toluene	10.03	91	977647	5.046	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	148238	4.787	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	82357	5.041	ug/L	97
47) Tetrachloroethene	10.51	164	160942	4.797	ug/L	96
48) 2-Hexanone	10.63	43	416989	53.979	ug/L	99
49) Dibromochloromethane	10.79	129	90589	4.928	ug/L	95
50) 1,2-Dibromoethane	10.89	107	67889	4.810	ug/L	89
51) Chlorobenzene	11.32	112	511594	4.770	ug/L	98
52) Ethylbenzene	11.39	91	1133747	5.089	ug/L	99
53) m,p-Xylene	11.50	106	407988	5.026	ug/L	98
54) o-Xylene	11.83	106	376317	5.057	ug/L	99
55) Styrene	11.84	104	595896	5.202	ug/L	98
56) Isopropylbenzene	12.13	105	1082299	5.236	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	81783	4.926	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	64083	5.257	ug/L	97
61) Bromoform	12.01	173	30125	4.527	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	301631	4.743	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	314714	4.778	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	243499	4.770	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8305	3.993	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.29	180	169403	4.372	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	101179	4.473	ug/L	99
69) Naphthalene	15.00	128	104065	4.738	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	73324	4.668	ug/L	99

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

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