

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101718\
 Data File : VR026111.D
 Acq On : 17 Oct 2018 11:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00592

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 12:03:15 PM

Quant Time: Oct 19 02:46:58 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	631205	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	544431	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	208398	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	225322	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	2.63	69	206496	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.00%
11) 1,1-Dichloroethene-d2	3.63	63	568677	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.80%
20) 2-Butanone-d5	6.59	46	206015	45.43	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.86%
24) Chloroform-d	7.20	84	377051	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	7.90	65	159697	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
32) Benzene-d6	7.85	84	733235	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	8.90	67	196187	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	9.97	98	681519	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	10.24	79	45215	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	10.59	63	166801	48.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.52%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81703	4.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	137022	4.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	175229	4.133 ug/L	92
3) Chloromethane	2.02	50	327625	4.866 ug/L	96
5) Vinyl chloride	2.17	62	327724	4.886 ug/L	98
6) Bromomethane	2.52	94	214323	4.838 ug/L	99
8) Chloroethane	2.66	64	201636	4.851 ug/L	99
9) Trichlorofluoromethane	2.94	101	480558m	4.963 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	280825	4.865 ug/L	100
12) 1,1-Dichloroethene	3.63	96	296191	4.826 ug/L	98
13) Acetone	3.70	43	213674	45.575 ug/L	99
14) Carbon disulfide	3.94	76	798047	4.973 ug/L	99
15) Methyl Acetate	4.20	43	56328	4.599 ug/L	97
16) Methylene chloride	4.40	84	244896	4.400 ug/L	96
17) Methyl tert-butyl Ether	4.89	73	244238	4.383 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	212092	4.569 ug/L	97
19) 1,1-Dichloroethane	5.69	63	402272	4.616 ug/L	98
21) 2-Butanone	6.69	43	242067	44.755 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	208098	4.739 ug/L #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	56831	4.614	uq/L	94
25) Chloroform	7.23	83	398224	4.682	uq/L	97
27) 1,2-Dichloroethane	7.99	62	188442	4.526	uq/L	99
29) 1,1,1-Trichloroethane	7.43	97	344988	4.637	uq/L	100
30) Cyclohexane	7.52	56	367190	4.917	uq/L	100
31) Carbon tetrachloride	7.64	117	312211	4.616	uq/L	97
33) Benzene	7.91	78	965889	4.728	uq/L	100
34) Trichloroethene	8.71	95	239235	4.575	uq/L	98
35) Methylcyclohexane	8.95	83	373055	4.792	uq/L	98
37) 1,2-Dichloropropane	9.00	63	199669	4.633	uq/L	99
38) Bromodichloromethane	9.28	83	219308	4.731	uq/L	99
39) cis-1,3-Dichloropropene	9.72	75	228577	4.634	uq/L	99
40) 4-Methyl-2-pentanone	9.87	43	617688	46.928	uq/L	98
42) Toluene	10.04	91	1035861	4.804	uq/L	100
44) trans-1,3-Dichloropropene	10.26	75	161880	4.697	uq/L	99
45) 1,1,2-Trichloroethane	10.45	97	83001	4.566	uq/L	92
47) Tetrachloroethene	10.51	164	164332	4.401	uq/L	96
48) 2-Hexanone	10.63	43	410037	47.696	uq/L	99
49) Dibromochloromethane	10.79	129	98034	4.792	uq/L	98
50) 1,2-Dibromoethane	10.89	107	72443	4.612	uq/L	83
51) Chlorobenzene	11.32	112	547577	4.588	uq/L	98
52) Ethylbenzene	11.39	91	1211009	4.884	uq/L	98
53) m,p-Xylene	11.50	106	441887	4.892	uq/L	98
54) o-Xylene	11.83	106	402520	4.860	uq/L	100
55) Styrene	11.84	104	622767	4.886	uq/L	98
56) Isopropylbenzene	12.13	105	1155168	5.022	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	84356	4.565	uq/L	99
59) 1,2,3-Trichloropropane	12.44	75	60522	4.461	uq/L	97
61) Bromoform	12.01	173	32449	4.480	uq/L	98
62) 1,3-Dichlorobenzene	13.16	146	314083	4.537	uq/L	95
63) 1,4-Dichlorobenzene	13.24	146	326495	4.554	uq/L	96
65) 1,2-Dichlorobenzene	13.53	146	252608	4.546	uq/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	7391	3.265	uq/L #	86
67) 1,3,5-Trichlorobenzene	14.29	180	188283	4.463	uq/L	97
68) 1,2,4-trichlorobenzene	14.79	180	106703	4.334	uq/L	98
69) Naphthalene	15.00	128	111068	4.645	uq/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	73868	4.320	uq/L	97

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

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