

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100318\
 Data File : VR025937.D
 Acq On : 3 Oct 2018 11:59
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00596

Manual Integrations
 APPROVED

MMDadoda
 10/4/2018 2:47:08 PM

Quant Time: Oct 04 08:44:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 03 02:53:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	552153	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	472497	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	172743	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	178222	4.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.80%
7) Chloroethane-d5	2.63	69	161790	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	3.64	63	450800	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.20%
20) 2-Butanone-d5	6.59	46	244347	50.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.68%
24) Chloroform-d	7.20	84	353018	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	7.90	65	157344	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	7.85	84	670395	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	8.90	67	186542	4.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.00%
41) Toluene-d8	9.97	98	628342	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	10.24	79	45082	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	10.59	63	183304	49.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.94%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78813	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	125321	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	145989	4.350	ug/L	99
3) Chloromethane	2.02	50	231314	4.847	ug/L	94
5) Vinyl chloride	2.18	62	222423	4.683	ug/L	97
6) Bromomethane	2.53	94	137458	4.635	ug/L	90
8) Chloroethane	2.66	64	130202	4.818	ug/L	93
9) Trichlorofluoromethane	2.93	101	333345m	5.054	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	198977	4.936	ug/L	94
12) 1,1-Dichloroethene	3.66	96	201962	4.845	ug/L	74
13) Acetone	3.70	43	178547	50.749	ug/L	98
14) Carbon disulfide	3.96	76	460036	4.559	ug/L	99
15) Methyl Acetate	4.19	43	45579	4.672	ug/L #	81
16) Methylene chloride	4.40	84	182962	4.774	ug/L	92
17) Methyl tert-butyl Ether	4.90	73	216554	4.692	ug/L	97
18) trans-1,2-Dichloroethene	4.89	96	159233	4.619	ug/L	95
19) 1,1-Dichloroethane	5.69	63	315958	4.629	ug/L	98
21) 2-Butanone	6.69	43	231252	47.788	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	159047	4.585	ug/L #	94

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

23) Bromochloromethane	7.06	128	44089	4.685	ug/L	89
25) Chloroform	7.23	83	306791	4.616	ug/L	100
27) 1,2-Dichloroethane	7.99	62	157704	4.755	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	255081	4.801	ug/L	98
30) Cyclohexane	7.51	56	293366	4.419	ug/L	98
31) Carbon tetrachloride	7.64	117	230790	5.016	ug/L	98
33) Benzene	7.91	78	717797	4.529	ug/L	100
34) Trichloroethene	8.71	95	183334	4.390	ug/L	94
35) Methylcyclohexane	8.95	83	283498	4.515	ug/L	98
37) 1,2-Dichloropropane	9.00	63	156062	4.590	ug/L #	98
38) Bromodichloromethane	9.28	83	173811	4.738	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	193757	5.083	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	574462	48.052	ug/L	96
42) Toluene	10.04	91	770855	4.681	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	131544	5.285	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	69053	4.490	ug/L	98
47) Tetrachloroethene	10.51	164	121394	4.718	ug/L	95
48) 2-Hexanone	10.63	43	375291	47.947	ug/L	99
49) Dibromochloromethane	10.79	129	75286	4.824	ug/L	93
50) 1,2-Dibromoethane	10.89	107	59890	4.936	ug/L #	99
51) Chlorobenzene	11.32	112	410314	4.697	ug/L	97
52) Ethylbenzene	11.39	91	912607	4.855	ug/L	98
53) m,p-Xylene	11.50	106	329079	4.918	ug/L	97
54) o-Xylene	11.83	106	298695	4.795	ug/L	96
55) Styrene	11.84	104	471381	4.862	ug/L	93
56) Isopropylbenzene	12.13	105	854557	4.974	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	68949	4.653	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	50390	4.569	ug/L	99
61) Bromoform	12.01	173	24553	4.702	ug/L #	96
62) 1,3-Dichlorobenzene	13.16	146	237301	4.700	ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	242073	4.687	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	192457	4.745	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	6091	3.571	ug/L #	63
67) 1,3,5-Trichlorobenzene	14.29	180	146303	4.865	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	89145	4.650	ug/L	96
69) Naphthalene	15.00	128	115021	4.701	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	65087	4.894	ug/L	97

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

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