

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR090718\
 Data File : VR025690.D
 Acq On : 7 Sep 2018 17:07
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Manual Integrations
 APPROVED

apatel
 9/10/2018 8:59:09 AM

Quant Time: Sep 08 03:13:38 2018

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

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Sep 08 02:10:15 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	681611	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	607297	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	258218	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	131998	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	2.63	69	115864	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	3.64	63	378564	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	6.60	46	127734	42.70	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.40%
24) Chloroform-d	7.20	84	313607	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	7.90	65	108202	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	7.85	84	782774	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	8.90	67	206703	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	9.97	98	756903	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
43) trans-1,3-Dichloropropene-	10.24	79	47427	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	10.59	63	170956	52.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.74%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	92425	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	163505	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	166710	4.796	ug/L 96
3) Chloromethane	2.01	50	212179	4.973	ug/L 93
5) Vinyl chloride	2.17	62	200344	4.724	ug/L 92
6) Bromomethane	2.52	94	150382	4.954	ug/L 91
8) Chloroethane	2.66	64	126971	5.099	ug/L 92
9) Trichlorofluoromethane	2.99	101	405086m	5.181	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	215837	5.123	ug/L 97
12) 1,1-Dichloroethene	3.65	96	218438	4.913	ug/L 88
13) Acetone	3.70	43	90669	44.975	ug/L 99
14) Carbon disulfide	3.97	76	527282	5.026	ug/L # 93
15) Methyl Acetate	4.20	43	30786	4.283	ug/L 92
16) Methylene chloride	4.41	84	190526m	4.839	ug/L
17) Methyl tert-butyl Ether	4.90	73	263814	4.823	ug/L 97
18) trans-1,2-Dichloroethene	4.89	96	267981	4.931	ug/L 95
19) 1,1-Dichloroethane	5.69	63	399390	4.766	ug/L 97
21) 2-Butanone	6.70	43	225045	52.896	ug/L 97
22) cis-1,2-Dichloroethene	6.67	96	243178	5.143	ug/L # 98

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

23) Bromochloromethane	7.05	128	79773	4.918	ug/L #	85
25) Chloroform	7.23	83	368361	4.811	ug/L	94
27) 1,2-Dichloroethane	7.99	62	148525	4.916	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	277753	4.591	ug/L	98
30) Cyclohexane	7.51	56	375440	5.165	ug/L	97
31) Carbon tetrachloride	7.63	117	285527	4.869	ug/L	95
33) Benzene	7.91	78	1066322	4.928	ug/L	100
34) Trichloroethene	8.71	95	236383	4.508	ug/L	99
35) Methylcyclohexane	8.96	83	421013	5.202	ug/L	98
37) 1,2-Dichloropropane	9.00	63	230257	4.721	ug/L	98
38) Bromodichloromethane	9.28	83	210203	4.799	ug/L	90
39) cis-1,3-Dichloropropene	9.72	75	256743	5.147	ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	675080	55.990	ug/L	97
42) Toluene	10.04	91	1153101	5.207	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	172961	4.930	ug/L	92
45) 1,1,2-Trichloroethane	10.45	97	109878	4.809	ug/L	97
47) Tetrachloroethene	10.51	164	210180	4.894	ug/L	98
48) 2-Hexanone	10.63	43	463336	54.795	ug/L	99
49) Dibromochloromethane	10.79	129	123841	5.089	ug/L	97
50) 1,2-Dibromoethane	10.89	107	88519	4.877	ug/L #	91
51) Chlorobenzene	11.32	112	679293	4.879	ug/L	96
52) Ethylbenzene	11.39	91	1265087	5.302	ug/L	99
53) m,p-Xylene	11.50	106	498892	5.196	ug/L	100
54) o-Xylene	11.83	106	458582	5.421	ug/L	98
55) Styrene	11.84	104	746217	5.478	ug/L	99
56) Isopropylbenzene	12.13	105	1206825	5.725	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	113690	5.109	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	71933	4.806	ug/L	97
61) Bromoform	12.01	173	50366	4.559	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	395040	4.898	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	427809	4.663	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	338465	4.864	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	9117	4.455	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	239948	5.004	ug/L	100
68) 1,2,4-trichlorobenzene	14.78	180	135861	4.619	ug/L	97
69) Naphthalene	15.00	128	150248	4.566	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	116987	5.024	ug/L	93

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

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