

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR100518\
 Data File : VR025950.D
 Acq On : 5 Oct 2018 10:03
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00581

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 5:12:52 PM

Quant Time: Oct 06 04:19:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 05 04:42:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	498227	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	429883	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	164494	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	225669	5.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	114.80%
7) Chloroethane-d5	2.63	69	187482	5.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.80%
11) 1,1-Dichloroethene-d2	3.63	63	509003	5.52	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.40%
20) 2-Butanone-d5	6.59	46	204950	46.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.58%
24) Chloroform-d	7.20	84	347790	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	7.89	65	148951	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	7.85	84	707220	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	8.90	67	188376	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.80%
41) Toluene-d8	9.97	98	683694	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	10.24	79	47320	5.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.20%
46) 2-Hexanone-d5	10.59	63	158386	47.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.92%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	73588	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	129859	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	142123	4.693 ug/L	95
3) Chloromethane	2.01	50	222535	5.168 ug/L	100
5) Vinyl chloride	2.17	62	214577	5.006 ug/L	95
6) Bromomethane	2.52	94	142638	5.330 ug/L	100
8) Chloroethane	2.66	64	131498	5.392 ug/L	95
9) Trichlorofluoromethane	2.93	101	340896m	5.728 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	196654	5.406 ug/L	95
12) 1,1-Dichloroethene	3.64	96	198470	5.277 ug/L	92
13) Acetone	3.70	43	155563	49.002 ug/L	92
14) Carbon disulfide	3.94	76	489518	5.376 ug/L	98
15) Methyl Acetate	4.20	43	37151	4.221 ug/L	93
16) Methylene chloride	4.40	84	166616	4.818 ug/L	97
17) Methyl tert-butyl Ether	4.90	73	194109	4.661 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	154805	4.977 ug/L	90
19) 1,1-Dichloroethane	5.69	63	293868	4.772 ug/L	99
21) 2-Butanone	6.69	43	199526	45.694 ug/L	95
22) cis-1,2-Dichloroethene	6.68	96	147552	4.714 ug/L #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	40220	4.737	ug/L	89
25) Chloroform	7.23	83	288530	4.811	ug/L	99
27) 1,2-Dichloroethane	7.99	62	140438	4.693	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	251035	5.193	ug/L	98
30) Cyclohexane	7.51	56	276279	4.574	ug/L	98
31) Carbon tetrachloride	7.63	117	219994	5.255	ug/L	97
33) Benzene	7.91	78	672277	4.662	ug/L	100
34) Trichloroethene	8.71	95	171643	4.518	ug/L	91
35) Methylcyclohexane	8.95	83	262204	4.590	ug/L	97
37) 1,2-Dichloropropane	9.00	63	144033	4.656	ug/L	98
38) Bromodichloromethane	9.28	83	158595	4.752	ug/L #	98
39) cis-1,3-Dichloropropene	9.72	75	175029	5.047	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	496084	45.610	ug/L	97
42) Toluene	10.03	91	714819	4.771	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	121072	5.347	ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	60010	4.289	ug/L	96
47) Tetrachloroethene	10.51	164	113700	4.857	ug/L	92
48) 2-Hexanone	10.63	43	330390	46.395	ug/L	99
49) Dibromochloromethane	10.79	129	70557	4.969	ug/L	99
50) 1,2-Dibromoethane	10.89	107	54371	4.925	ug/L #	98
51) Chlorobenzene	11.32	112	382380	4.811	ug/L	92
52) Ethylbenzene	11.39	91	845394	4.944	ug/L	99
53) m,p-Xylene	11.50	106	306424	5.033	ug/L	94
54) o-Xylene	11.83	106	281784	4.972	ug/L	98
55) Styrene	11.84	104	439457	4.982	ug/L	95
56) Isopropylbenzene	12.13	105	812175	5.196	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.39	83	61968	4.597	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	47449	4.729	ug/L	98
61) Bromoform	12.01	173	24311	4.889	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	230821	4.801	ug/L	94
63) 1,4-Dichlorobenzene	13.24	146	229603	4.669	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	183512	4.751	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	6677	4.111	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.29	180	138639	4.841	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	84014	4.602	ug/L	97
69) Naphthalene	15.00	128	100912	4.331	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	59166	4.671	ug/L	95

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

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