

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091218\
 Data File : VR025707.D
 Acq On : 12 Sep 2018 22:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Manual Integrations
 APPROVED

MMDadoda
 9/14/2018 3:01:15 PM

Quant Time: Sep 13 05:17:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 13 03:48:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	670967	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	601091	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	275565	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	100668	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	2.62	69	93657	3.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.40%
11) 1,1-Dichloroethene-d2	3.64	63	332877	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	6.60	46	131982	44.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.64%
24) Chloroform-d	7.20	84	293113	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	7.90	65	104715	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	7.85	84	674819	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	8.90	67	177341	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.00%
41) Toluene-d8	9.97	98	670651	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	10.24	79	40477	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	10.59	63	181478	56.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.32%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	97293	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	160102	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	159598	4.66 ug/L	# 87
3) Chloromethane	2.01	50	158380	3.77 ug/L	97
5) Vinyl chloride	2.17	62	169700	4.07 ug/L	91
6) Bromomethane	2.52	94	127960	4.28 ug/L	96
8) Chloroethane	2.66	64	101375	4.14 ug/L	100
9) Trichlorofluoromethane	2.98	101	378923m	4.92 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	191289	4.61 ug/L	94
12) 1,1-Dichloroethene	3.65	96	180173	4.12 ug/L	91
13) Acetone	3.70	43	100791	50.79 ug/L	95
14) Carbon disulfide	3.96	76	406226	3.93 ug/L	# 92
15) Methyl Acetate	4.20	43	31003	4.38 ug/L	97
16) Methylene chloride	4.40	84	156603m	4.04 ug/L	
17) Methyl tert-butyl Ether	4.90	73	261688	4.86 ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	239250	4.47 ug/L	97
19) 1,1-Dichloroethane	5.69	63	353238	4.28 ug/L	97
21) 2-Butanone	6.70	43	235488	56.23 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	214737	4.61 ug/L	# 98

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

23) Bromochloromethane	7.05	128	74928	4.69	ug/L #	91
25) Chloroform	7.23	83	337055	4.47	ug/L	90
27) 1,2-Dichloroethane	7.99	62	144486	4.86	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	259160	4.33	ug/L	99
30) Cyclohexane	7.51	56	348816	4.85	ug/L	95
31) Carbon tetrachloride	7.64	117	257337	4.43	ug/L	97
33) Benzene	7.91	78	950711	4.44	ug/L	100
34) Trichloroethene	8.71	95	205675	3.96	ug/L	99
35) Methylcyclohexane	8.96	83	387984	4.84	ug/L	99
37) 1,2-Dichloropropane	9.00	63	221429	4.59	ug/L	99
38) Bromodichloromethane	9.28	83	192996	4.45	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	224840	4.55	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	682234	57.17	ug/L	99
42) Toluene	10.04	91	1017174	4.64	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	153024	4.41	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	107743	4.76	ug/L	93
47) Tetrachloroethene	10.51	164	187911	4.42	ug/L	98
48) 2-Hexanone	10.63	43	485265	57.98	ug/L	99
49) Dibromochloromethane	10.79	129	117519	4.88	ug/L	98
50) 1,2-Dibromoethane	10.89	107	87402	4.87	ug/L	91
51) Chlorobenzene	11.32	112	634322	4.60	ug/L	99
52) Ethylbenzene	11.39	91	1128373	4.78	ug/L	96
53) m,p-Xylene	11.50	106	453531	4.77	ug/L	98
54) o-Xylene	11.83	106	403465	4.82	ug/L	98
55) Styrene	11.84	104	687236	5.10	ug/L	99
56) Isopropylbenzene	12.13	105	1078163	5.17	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	116570	5.29	ug/L #	94
59) 1,2,3-Trichloropropane	12.43	75	73349	4.95	ug/L	95
61) Bromoform	12.01	173	49955	4.24	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	361782	4.20	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	419094	4.28	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	331338	4.46	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.14	75	9437	4.32	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.29	180	225613	4.41	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	133664	4.26	ug/L	97
69) Naphthalene	15.00	128	156022	4.44	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	126101	5.08	ug/L	95

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

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