

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071818\
 Data File : VR025500.D
 Acq On : 18 Jul 2018 10:41
 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
 7/20/2018 3:13:46 PM

Quant Time: Jul 19 05:08:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 18 01:02:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	752110	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	601669	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	234115	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	82860	4.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.00%
7) Chloroethane-d5	2.64	69	69874	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	3.64	63	266609	4.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.80%
20) 2-Butanone-d5	6.60	46	240135	37.29	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.58%
24) Chloroform-d	7.21	84	421885	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
26) 1,2-Dichloroethane-d4	7.89	65	159720	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
32) Benzene-d6	7.86	84	879858	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	8.90	67	238376	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.60%
41) Toluene-d8	9.97	98	794327	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	10.24	79	63591	4.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.20%
46) 2-Hexanone-d5	10.59	63	207627	41.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.02%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	100171	3.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	170938	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.84	85	217562	5.12	ug/L	99
3) Chloromethane	2.01	50	125357	4.98	ug/L	96
5) Vinyl chloride	2.16	62	120496	5.32	ug/L	93
6) Bromomethane	2.53	94	65215	4.90	ug/L	97
8) Chloroethane	2.67	64	65793	4.67	ug/L	98
9) Trichlorofluoromethane	2.98	101	187979m	5.08	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	119575	5.31	ug/L	97
12) 1,1-Dichloroethene	3.65	96	113853	5.06	ug/L	95
13) Acetone	3.71	43	100083	34.49	ug/L	97
14) Carbon disulfide	3.97	76	263807	5.16	ug/L	96
15) Methyl Acetate	4.19	43	26710	4.11	ug/L	94
16) Methylene chloride	4.41	84	97911	4.45	ug/L	83
17) Methyl tert-butyl Ether	4.90	73	334182	4.56	ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	261099	4.67	ug/L	95
19) 1,1-Dichloroethane	5.70	63	453991	4.73	ug/L	96
21) 2-Butanone	6.69	43	262620	38.86	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	247660	4.82	ug/L #	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	71564	4.33	ug/L	96
25) Chloroform	7.23	83	428691	4.65	ug/L	99
27) 1,2-Dichloroethane	8.00	62	189711	4.59	ug/L	99
29) 1,1,1-Trichloroethane	7.44	97	322887	5.28	ug/L	99
30) Cyclohexane	7.52	56	395642	6.03	ug/L	97
31) Carbon tetrachloride	7.64	117	307062	5.67	ug/L	100
33) Benzene	7.91	78	1025093	4.94	ug/L	100
34) Trichloroethene	8.71	95	253088	4.79	ug/L	95
35) Methylcyclohexane	8.96	83	412811	5.85	ug/L	98
37) 1,2-Dichloropropane	8.99	63	227049	4.71	ug/L	99
38) Bromodichloromethane	9.28	83	231631	4.71	ug/L #	99
39) cis-1,3-Dichloropropene	9.72	75	278013	5.13	ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	671453	48.06	ug/L	97
42) Toluene	10.03	91	1052234	5.22	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	195425	4.91	ug/L	92
45) 1,1,2-Trichloroethane	10.44	97	103573	4.39	ug/L	95
47) Tetrachloroethene	10.52	164	178918	5.19	ug/L	98
48) 2-Hexanone	10.64	43	444881	46.29	ug/L	97
49) Dibromochloromethane	10.78	129	117715	4.78	ug/L	94
50) 1,2-Dibromoethane	10.89	107	87018	4.55	ug/L #	99
51) Chlorobenzene	11.31	112	590117	4.81	ug/L	98
52) Ethylbenzene	11.39	91	1168773	5.40	ug/L	98
53) m,p-Xylene	11.50	106	435736	5.37	ug/L	90
54) o-Xylene	11.83	106	387036	5.54	ug/L	96
55) Styrene	11.85	104	605971	5.27	ug/L	97
56) Isopropylbenzene	12.13	105	1086453	5.87	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	100057	4.30	ug/L #	89
59) 1,2,3-Trichloropropane	12.44	75	75906	4.53	ug/L	96
61) Bromoform	12.01	173	42471	4.45	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	357182	5.21	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	365258	4.80	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	297327	4.99	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	10647	4.04	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	239643	5.35	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	156691	5.09	ug/L	99
69) Naphthalene	15.00	128	204652	5.19	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	122988	5.18	ug/L	99

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

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