

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR073118\
 Data File : VR025553.D
 Acq On : 31 Jul 2018 17:44
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 2:05:07 PM

Quant Time: Aug 01 05:23:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 01 05:08:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	611759	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	532030	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	241500	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	158448	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	2.64	69	117658	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.80%
11) 1,1-Dichloroethene-d2	3.64	63	393968	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.00%
20) 2-Butanone-d5	6.60	46	163093	52.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.10%
24) Chloroform-d	7.21	84	291779	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	7.90	65	103982	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	7.86	84	650650	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	8.90	67	172424	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	9.97	98	648571	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
43) trans-1,3-Dichloropropene-	10.24	79	44919	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	10.59	63	172390	56.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	88099	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	170676	4.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	177467	5.07 ug/L	100
3) Chloromethane	2.01	50	220784	4.77 ug/L	96
5) Vinyl chloride	2.16	62	224870	4.86 ug/L	97
6) Bromomethane	2.53	94	98941	3.89 ug/L	93
8) Chloroethane	2.67	64	112301	4.37 ug/L	99
9) Trichlorofluoromethane	2.98	101	328751	5.21 ug/L #	27
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	215862	5.29 ug/L	95
12) 1,1-Dichloroethene	3.66	96	224756	5.14 ug/L	84
13) Acetone	3.71	43	141590	53.76 ug/L	97
14) Carbon disulfide	3.97	76	492166	4.86 ug/L #	94
15) Methyl Acetate	4.21	43	40471	4.87 ug/L	95
16) Methylene chloride	4.41	84	168428m	4.56 ug/L	
17) Methyl tert-butyl Ether	4.90	73	223199	5.09 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	210892	5.04 ug/L	97
19) 1,1-Dichloroethane	5.69	63	298531	4.88 ug/L	97
21) 2-Butanone	6.69	43	203195	55.54 ug/L	94
22) cis-1,2-Dichloroethene	6.68	96	201304	5.27 ug/L #	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	65928	5.20	ug/L	96
25) Chloroform	7.23	83	305256	5.04	ug/L	95
27) 1,2-Dichloroethane	7.99	62	122670	5.08	ug/L #	89
29) 1,1,1-Trichloroethane	7.43	97	211917	4.50	ug/L	99
30) Cyclohexane	7.52	56	286522	5.28	ug/L	99
31) Carbon tetrachloride	7.64	117	233266	4.80	ug/L	99
33) Benzene	7.91	78	814682	4.96	ug/L	100
34) Trichloroethene	8.71	95	197040	4.82	ug/L	96
35) Methylcyclohexane	8.96	83	341602	5.56	ug/L	99
37) 1,2-Dichloropropane	8.99	63	174790	5.05	ug/L	99
38) Bromodichloromethane	9.28	83	177212	5.01	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	201153	5.27	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	553944	56.82	ug/L	99
42) Toluene	10.03	91	920561	5.26	ug/L	97
44) trans-1,3-Dichloropropene	10.27	75	141777	5.32	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	88288	5.12	ug/L	94
47) Tetrachloroethene	10.52	164	177821	5.08	ug/L	97
48) 2-Hexanone	10.64	43	372461	56.65	ug/L	99
49) Dibromochloromethane	10.78	129	104193	5.13	ug/L	99
50) 1,2-Dibromoethane	10.89	107	73192	5.09	ug/L	87
51) Chlorobenzene	11.31	112	546364	5.16	ug/L	97
52) Ethylbenzene	11.39	91	998347	5.25	ug/L	99
53) m,p-Xylene	11.51	106	404689	5.50	ug/L	98
54) o-Xylene	11.83	106	364908	5.40	ug/L	98
55) Styrene	11.85	104	591749	5.49	ug/L	99
56) Isopropylbenzene	12.13	105	981064	5.52	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	88576	5.42	ug/L #	95
59) 1,2,3-Trichloropropane	12.44	75	57302	5.25	ug/L	93
61) Bromoform	12.01	173	43389	4.51	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	344610	4.93	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	375611	4.96	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	301550	5.03	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	7467	4.02	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	222541	4.69	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	138173	4.53	ug/L	99
69) Naphthalene	15.00	128	156913	4.50	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	109596	4.67	ug/L	100

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

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