

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR062518\
 Data File : VR025424.D
 Acq On : 25 Jun 2018 11:23
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Manual Integrations
 APPROVED

MMDadoda
 6/28/2018 5:14:42 PM

Quant Time: Jun 26 01:38:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	579871	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	481702	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	200402	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	88079	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	2.64	69	61730	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.00%
11) 1,1-Dichloroethene-d2	3.65	63	257922	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.60%
20) 2-Butanone-d5	6.60	46	223030	42.13	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.26%
24) Chloroform-d	7.21	84	392575	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	7.89	65	144882	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	7.85	84	852829	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	8.90	67	227817	4.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.20%
41) Toluene-d8	9.97	98	800320	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
43) trans-1,3-Dichloropropene-	10.24	79	54557	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	10.59	63	192062	44.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	94802	5.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	161450	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.83	85	191434	5.11	ug/L	100
3) Chloromethane	2.01	50	100611	3.71	ug/L	95
5) Vinyl chloride	2.16	62	98242	4.09	ug/L	89
6) Bromomethane	2.53	94	45443	3.88	ug/L	88
8) Chloroethane	2.67	64	54595	4.36	ug/L	90
9) Trichlorofluoromethane	2.98	101	200705	5.72	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	109577	5.33	ug/L	99
12) 1,1-Dichloroethene	3.65	96	97939	4.80	ug/L #	78
13) Acetone	3.70	43	114693	47.97	ug/L	98
14) Carbon disulfide	3.97	76	172787	4.03	ug/L #	95
15) Methyl Acetate	4.19	43	24692	4.11	ug/L	94
16) Methylene chloride	4.41	84	81813m	4.41	ug/L	
17) Methyl tert-butyl Ether	4.90	73	290096	4.77	ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	229190	5.47	ug/L	97
19) 1,1-Dichloroethane	5.70	63	414606	5.27	ug/L	99
21) 2-Butanone	6.69	43	277363	49.08	ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	236068	5.40	ug/L	95

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

23) Bromochloromethane	7.05	128	63825	4.98	ug/L	98
25) Chloroform	7.23	83	395323	5.49	ug/L	98
27) 1,2-Dichloroethane	7.99	62	169173	5.15	ug/L #	90
29) 1,1,1-Trichloroethane	7.43	97	292470	5.11	ug/L	98
30) Cyclohexane	7.52	56	331601	4.54	ug/L	97
31) Carbon tetrachloride	7.64	117	264259	5.26	ug/L	94
33) Benzene	7.91	78	966118	5.11	ug/L	100
34) Trichloroethene	8.71	95	233181	5.10	ug/L	97
35) Methylcyclohexane	8.96	83	356496	4.94	ug/L	98
37) 1,2-Dichloropropane	8.99	63	221038	5.26	ug/L	98
38) Bromodichloromethane	9.28	83	215293	5.28	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	239691	4.84	ug/L	94
40) 4-Methyl-2-pentanone	9.86	43	659539	48.48	ug/L	97
42) Toluene	10.03	91	999063	4.93	ug/L	97
44) trans-1,3-Dichloropropene	10.27	75	169933	4.99	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	104087	5.33	ug/L	94
47) Tetrachloroethene	10.51	164	163880	5.36	ug/L	96
48) 2-Hexanone	10.64	43	431404	49.74	ug/L	96
49) Dibromochloromethane	10.78	129	95354	5.07	ug/L	97
50) 1,2-Dibromoethane	10.89	107	79186	5.06	ug/L	92
51) Chlorobenzene	11.31	112	572293	5.27	ug/L	98
52) Ethylbenzene	11.39	91	1134821	5.64	ug/L	98
53) m,p-Xylene	11.50	106	423214	5.51	ug/L	93
54) o-Xylene	11.83	106	381935	5.57	ug/L	98
55) Styrene	11.85	104	612635	5.81	ug/L	90
56) Isopropylbenzene	12.13	105	1084530	5.88	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	99814	5.52	ug/L #	88
59) 1,2,3-Trichloropropane	12.43	75	67919	5.21	ug/L	100
61) Bromoform	12.01	173	31751	4.44	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	355671	5.06	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	376250	5.35	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	297749	5.28	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	9549	4.29	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.29	180	250696	5.38	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	159705	4.93	ug/L	97
69) Naphthalene	15.00	128	197149	4.67	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	130324	5.19	ug/L	97

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

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