

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR062218\
 Data File : VR025408.D
 Acq On : 22 Jun 2018 11:12
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00595

Manual Integrations
 APPROVED

MMDadoda
 6/26/2018 12:02:23 PM

Quant Time: Jun 22 22:22:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 02:50:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	612132	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	511619	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	205514	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	92101	4.42	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.40%
7) Chloroethane-d5	2.63	69	71353	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	3.64	63	251503	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	6.59	46	255608	45.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.48%
24) Chloroform-d	7.21	84	378023	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	7.89	65	144539	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	7.86	84	820236	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
36) 1,2-Dichloropropane-d6	8.90	67	232381	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	9.97	98	733959	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	10.24	79	55680	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	10.59	63	223872	49.18	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.36%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	97991	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	162011	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	180609	4.56	ug/L	98
3) Chloromethane	2.01	50	101130	3.53	ug/L	97
5) Vinyl chloride	2.16	62	99735	3.93	ug/L	100
6) Bromomethane	2.53	94	54984	4.45	ug/L	82
8) Chloroethane	2.67	64	57889	4.37	ug/L	96
9) Trichlorofluoromethane	2.98	101	197921m	5.35	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	103391	4.76	ug/L	98
12) 1,1-Dichloroethene	3.65	96	93623	4.35	ug/L	85
13) Acetone	3.71	43	114598	45.40	ug/L	97
14) Carbon disulfide	3.96	76	175452	3.88	ug/L	98
15) Methyl Acetate	4.19	43	23730	3.74	ug/L	97
16) Methylene chloride	4.42	84	84777	4.33	ug/L	92
17) Methyl tert-butyl Ether	4.90	73	280548	4.37	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	216099	4.89	ug/L	97
19) 1,1-Dichloroethane	5.69	63	400755	4.82	ug/L	97
21) 2-Butanone	6.69	43	283996	47.60	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	216611	4.69	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	62492	4.62	ug/L	95
25) Chloroform	7.23	83	374458	4.93	ug/L	97
27) 1,2-Dichloroethane	8.00	62	158829m	4.58	ug/L	
29) 1,1,1-Trichloroethane	7.43	97	280198	4.61	ug/L	98
30) Cyclohexane	7.52	56	331335	4.27	ug/L	100
31) Carbon tetrachloride	7.64	117	255381	4.79	ug/L	99
33) Benzene	7.91	78	906471	4.51	ug/L	100
34) Trichloroethene	8.71	95	216270	4.45	ug/L	99
35) Methylcyclohexane	8.96	83	343828	4.48	ug/L	98
37) 1,2-Dichloropropane	8.99	63	210189	4.71	ug/L	99
38) Bromodichloromethane	9.28	83	200241	4.62	ug/L #	97
39) cis-1,3-Dichloropropene	9.72	75	236415	4.50	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	665924	46.08	ug/L	97
42) Toluene	10.03	91	936712	4.35	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	159781	4.42	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	96390	4.65	ug/L	95
47) Tetrachloroethene	10.52	164	146423	4.51	ug/L	96
48) 2-Hexanone	10.64	43	443236	48.12	ug/L	97
49) Dibromochloromethane	10.78	129	94543	4.74	ug/L	93
50) 1,2-Dibromoethane	10.89	107	75538	4.55	ug/L	98
51) Chlorobenzene	11.31	112	537176	4.66	ug/L	99
52) Ethylbenzene	11.39	91	1058032	4.95	ug/L	98
53) m,p-Xylene	11.50	106	383010	4.70	ug/L	92
54) o-Xylene	11.83	106	356928	4.90	ug/L	97
55) Styrene	11.85	104	575968	5.14	ug/L	92
56) Isopropylbenzene	12.13	105	1012198	5.17	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	98173	5.11	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	66982	4.83	ug/L	97
61) Bromoform	12.01	173	29819	4.07	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	334897	4.64	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	343381	4.76	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	278671	4.82	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	8851	3.88	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.29	180	229120	4.80	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	149315	4.49	ug/L	97
69) Naphthalene	15.00	128	188297	4.35	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	127783	4.97	ug/L	99

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

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