

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR061618\
 Data File : VR025357.D
 Acq On : 17 Jun 2018 11:04
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00588

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 1:09:12 PM

Quant Time: Jun 18 04:26:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 18 04:02:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	442573	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	379140	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	140180	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	103033	6.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	136.60%#
7) Chloroethane-d5	2.64	69	79400	7.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	143.40%#
11) 1,1-Dichloroethene-d2	3.64	63	227002	5.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.00%
20) 2-Butanone-d5	6.59	46	254478	62.98	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.96%
24) Chloroform-d	7.20	84	338227	6.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.20%
26) 1,2-Dichloroethane-d4	7.89	65	136691	6.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	126.80%
32) Benzene-d6	7.86	84	732758	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
36) 1,2-Dichloropropane-d6	8.90	67	217201	5.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	119.00%
41) Toluene-d8	9.97	98	632181	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
43) trans-1,3-Dichloropropene-	10.24	79	34888	3.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.80%
46) 2-Hexanone-d5	10.59	63	230621	68.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	136.72%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	100549	7.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	141.60%#
64) 1,2-Dichlorobenzene-d4	13.51	152	133691	5.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	117980	4.124	ug/L	98
3) Chloromethane	2.01	50	156546	7.560	ug/L	99
5) Vinyl chloride	2.16	62	115304	6.292	ug/L	99
6) Bromomethane	2.53	94	61051	6.834	ug/L	97
8) Chloroethane	2.67	64	65765	6.874	ug/L	88
9) Trichlorofluoromethane	2.98	101	138297m	5.167	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	72905	4.643	ug/L	98
12) 1,1-Dichloroethene	3.65	96	93687	6.022	ug/L	91
13) Acetone	3.70	43	131057	71.816	ug/L	98
14) Carbon disulfide	3.96	76	162182	4.955	ug/L	96
15) Methyl Acetate	4.20	43	27662	6.029	ug/L #	91
16) Methylene chloride	4.41	84	99472	7.028	ug/L	95
17) Methyl tert-butyl Ether	4.90	73	264436	5.702	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	177217	5.541	ug/L	98
19) 1,1-Dichloroethane	5.70	63	344058	5.726	ug/L	95
21) 2-Butanone	6.69	43	302196	70.061	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	194518	5.829	ug/L	96

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

23) Bromochloromethane	7.05	128	60576	6.198	ug/L	90
25) Chloroform	7.23	83	327254	5.959	ug/L	97
27) 1,2-Dichloroethane	7.99	62	153655	6.129	ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	201908	4.483	ug/L	97
30) Cyclohexane	7.52	56	177856	3.094	ug/L	99
31) Carbon tetrachloride	7.64	117	163087	4.125	ug/L	99
33) Benzene	7.91	78	830886	5.582	ug/L	100
34) Trichloroethene	8.71	95	162406	4.509	ug/L	96
35) Methylcyclohexane	8.96	83	178686	3.144	ug/L	98
37) 1,2-Dichloropropane	8.99	63	203934	6.162	ug/L	99
38) Bromodichloromethane	9.28	83	171139	5.333	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	156993	4.028	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	743579	69.438	ug/L	99
42) Toluene	10.03	91	778057	4.878	ug/L	96
44) trans-1,3-Dichloropropene	10.27	75	107250	4.001	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	97870	6.371	ug/L	94
47) Tetrachloroethene	10.51	164	93446	3.887	ug/L	95
48) 2-Hexanone	10.63	43	498645	73.049	ug/L	98
49) Dibromochloromethane	10.78	129	70499	4.767	ug/L	98
50) 1,2-Dibromoethane	10.89	107	75433	6.125	ug/L #	95
51) Chlorobenzene	11.31	112	439053	5.139	ug/L	99
52) Ethylbenzene	11.39	91	760968	4.808	ug/L	95
53) m,p-Xylene	11.50	106	287334	4.756	ug/L	96
54) o-Xylene	11.83	106	280465	5.194	ug/L	94
55) Styrene	11.84	104	481735	5.805	ug/L	95
56) Isopropylbenzene	12.13	105	652845	4.497	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	99701	7.008	ug/L #	97
59) 1,2,3-Trichloropropane	12.43	75	67095	6.535	ug/L	99
61) Bromoform	12.01	173	16537	3.308	ug/L	89
62) 1,3-Dichlorobenzene	13.16	146	237351	4.824	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	250035	5.083	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	219125	5.558	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	6533	4.194	ug/L	83
67) 1,3,5-Trichlorobenzene	14.29	180	145039	4.452	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	102236	4.507	ug/L	98
69) Naphthalene	15.00	128	167087	5.660	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	92810	5.287	ug/L	99

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

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