

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112118\
 Data File : VR026257.D
 Acq On : 21 Nov 2018 12:43
 Operator : SY/MD
 Sample : VSTD00598
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:21:23 AM

Quant Time: Nov 21 13:44:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 21 12:16:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	547696	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	469553	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	187765	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	226985	5.44	ug/L	0.00
7) Chloroethane-d5	2.63	69	194471	5.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.63	63	539932	5.10	ug/L	0.02
20) 2-Butanone-d5	6.59	46	187852	48.57	ug/L	0.00
24) Chloroform-d	7.20	84	387619	4.74	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	157615	4.95	ug/L	0.00
32) Benzene-d6	7.85	84	782736	4.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	200687	4.89	ug/L	0.00
41) Toluene-d8	9.97	98	759373	5.01	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	51919	4.64	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	135622	52.23	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	79574	4.76	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	149142	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	166426	4.34	ug/L	94
3) Chloromethane	2.02	50	236558	4.80	ug/L	96
5) Vinyl chloride	2.17	62	242470	5.01	ug/L	90
6) Bromomethane	2.53	94	157836	4.87	ug/L	97
8) Chloroethane	2.66	64	147257	4.86	ug/L	98
9) Trichlorofluoromethane	2.93	101	373631m	5.08	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	206483	4.89	ug/L	98
12) 1,1-Dichloroethene	3.64	96	222624	4.84	ug/L	# 78
13) Acetone	3.70	43	170027	58.48	ug/L	98
14) Carbon disulfide	3.94	76	552270	4.81	ug/L	98
15) Methyl Acetate	4.19	43	43275	5.13	ug/L	96
16) Methylene chloride	4.41	84	191657	4.66	ug/L	97
17) Methyl tert-butyl Ether	4.89	73	215067	4.53	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	189975	4.50	ug/L	96
19) 1,1-Dichloroethane	5.69	63	347316	4.58	ug/L	97
21) 2-Butanone	6.69	43	215149	52.56	ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	180514	4.74	ug/L	97
23) Bromochloromethane	7.05	128	51471	4.49	ug/L	90
25) Chloroform	7.23	83	355587	4.33	ug/L	99
27) 1,2-Dichloroethane	7.99	62	157606	4.71	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	298521	4.50	ug/L	99
30) Cyclohexane	7.52	56	288170	4.88	ug/L	97
31) Carbon tetrachloride	7.64	117	266493	4.42	ug/L	97
33) Benzene	7.91	78	805049	4.69	ug/L	100
34) Trichloroethene	8.71	95	200732	4.42	ug/L	93
35) Methylcyclohexane	8.95	83	298664	4.94	ug/L	99
37) 1,2-Dichloropropane	9.00	63	166530	4.69	ug/L	99
38) Bromodichloromethane	9.28	83	195102	4.71	ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	201476	4.94	ug/L	97

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

40) 4-Methyl-2-pentanone	9.87	43	525047	53.20	ug/L	99
42) Toluene	10.04	91	895681	4.37	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	130659	4.70	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	72307	4.73	ug/L	94
47) Tetrachloroethene	10.51	164	147779	4.43	ug/L	97
48) 2-Hexanone	10.63	43	353497	53.33	ug/L	99
49) Dibromochloromethane	10.79	129	87322	4.70	ug/L	97
50) 1,2-Dibromoethane	10.89	107	62497	4.69	ug/L	93
51) Chlorobenzene	11.32	112	470321	4.69	ug/L	98
52) Ethylbenzene	11.39	91	1005767	4.90	ug/L	98
53) m,p-Xylene	11.50	106	374847	4.95	ug/L	95
54) o-Xylene	11.83	106	336203	4.85	ug/L	99
55) Styrene	11.84	104	523974	4.95	ug/L	100
56) Isopropylbenzene	12.13	105	952966	5.02	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	71339	4.80	ug/L #	96
59) 1,2,3-Trichloropropane	12.43	75	52089	4.67	ug/L	98
61) Bromoform	12.01	173	34459	4.79	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	270853	4.53	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	282625	4.38	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	229857	4.68	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	7332	4.47	ug/L	98
67) 1,3,5-Trichlorobenzene	14.29	180	166588	4.30	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	96943	4.43	ug/L	99
69) Naphthalene	15.01	128	96385	4.52	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	72750	4.65	ug/L	99

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

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