

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR092118\
 Data File : VR025799.D
 Acq On : 21 Sep 2018 13:58
 Operator : SY/MD
 Sample : VSTD00120
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00120

Manual Integrations
 APPROVED

MMDadoda
 9/24/2018 5:10:10 PM

Quant Time: Sep 21 15:37:39 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Sep 21 15:32:23 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	489781	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	389097	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	134015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	40041	1.91	ug/L	0.00
7) Chloroethane-d5	2.62	69	32651	1.83	ug/L	-0.01
11) 1,1-Dichloroethene-d2	3.61	63	94479	1.64	ug/L	0.00
20) 2-Butanone-d5	6.59	46	48989	13.05	ug/L	0.00
24) Chloroform-d	7.20	84	78088	1.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	34500	1.40	ug/L	0.00
32) Benzene-d6	7.85	84	154664	1.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	42375	1.44	ug/L	0.00
41) Toluene-d8	9.97	98	138128	1.73	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	10242	0.96	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	37637	11.16	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	15579	1.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	25133	1.41	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	54228	0.974 ug/L	100
3) Chloromethane	2.01	50	62142	1.134 ug/L	98
5) Vinyl chloride	2.16	62	58945	1.128 ug/L	96
6) Bromomethane	2.52	94	33501	1.213 ug/L	100
8) Chloroethane	2.65	64	33823	1.176 ug/L	89
9) Trichlorofluoromethane	2.94	101	70199m	1.162 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	44726	1.224 ug/L	99
12) 1,1-Dichloroethene	3.62	96	46957	1.188 ug/L	95
13) Acetone	3.69	43	33485	16.785 ug/L	96
14) Carbon disulfide	3.93	76	124121	0.953 ug/L	98
15) Methyl Acetate	4.19	43	10154	1.170 ug/L	98
16) Methylene chloride	4.40	84	43297	1.291 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	76565	0.998 ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	51059	1.046 ug/L	89
19) 1,1-Dichloroethane	5.69	63	106493	1.078 ug/L	98
21) 2-Butanone	6.69	43	65140	12.061 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	52590	1.082 ug/L	# 92
23) Bromochloromethane	7.05	128	13744	1.039 ug/L	77
25) Chloroform	7.23	83	94444	1.034 ug/L	96
27) 1,2-Dichloroethane	7.99	62	50587	1.104 ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	81226	0.951 ug/L	99
30) Cyclohexane	7.51	56	100691	1.063 ug/L	98
31) Carbon tetrachloride	7.63	117	63599	0.862 ug/L	99
33) Benzene	7.90	78	217799	1.109 ug/L	100
34) Trichloroethene	8.71	95	58447	1.077 ug/L	98
35) Methylcyclohexane	8.96	83	97042	1.089 ug/L	99
37) 1,2-Dichloropropane	8.99	63	48397	1.131 ug/L	# 98
38) Bromodichloromethane	9.28	83	48772	0.915 ug/L	# 93
39) cis-1,3-Dichloropropene	9.72	75	54530	0.922 ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	165050	10.911 ug/L	100

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

42) Toluene	10.04	91	219072	1.100	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	35489	0.816	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	19799	1.066	ug/L	97
47) Tetrachloroethene	10.51	164	32198	1.001	ug/L	94
48) 2-Hexanone	10.63	43	115474	11.468	ug/L	95
49) Dibromochloromethane	10.79	129	18553	0.800	ug/L	99
50) 1,2-Dibromoethane	10.88	107	17707	1.046	ug/L #	92
51) Chlorobenzene	11.32	112	114057	1.048	ug/L	97
52) Ethylbenzene	11.39	91	253391	1.087	ug/L	100
53) m,p-Xylene	11.50	106	87390	1.015	ug/L	99
54) o-Xylene	11.83	106	79631	1.002	ug/L	100
55) Styrene	11.84	104	126067	1.025	ug/L	96
56) Isopropylbenzene	12.13	105	233405	1.060	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	20430	1.055	ug/L	90
59) 1,2,3-Trichloropropane	12.43	75	16014	1.036	ug/L	93
61) Bromoform	12.00	173	4864	0.583	ug/L #	89
62) 1,3-Dichlorobenzene	13.16	146	66106	1.058	ug/L	95
63) 1,4-Dichlorobenzene	13.24	146	63077	1.072	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	49417	1.061	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.15	75	2399	0.887	ug/L #	66
67) 1,3,5-Trichlorobenzene	14.29	180	36559	1.028	ug/L	95
68) 1,2,4-trichlorobenzene	14.78	180	23098	0.992	ug/L	99
69) Naphthalene	15.00	128	33974	0.975	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	16758	1.005	ug/L	96

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

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