

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR041119\
 Data File : VR026568.D
 Acq On : 11 Apr 2019 10:18
 Operator : SY/MD
 Sample : VSTD0.583
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.583

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 9:30:42 AM

Quant Time: Apr 12 01:31:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR041119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Apr 12 01:22:24 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	573237	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	469333	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	160839	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	23008	0.53	ug/L	0.00
7) Chloroethane-d5	2.63	69	19403	0.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.60	63	65174	0.56	ug/L	0.00
20) 2-Butanone-d5	6.59	46	15801	4.00	ug/L	0.00
24) Chloroform-d	7.20	84	46298	0.55	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	19794	0.56	ug/L	0.00
32) Benzene-d6	7.85	84	70925	0.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.89	67	21686	0.55	ug/L	0.00
41) Toluene-d8	9.96	98	57064	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	5612	0.55	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	8542	2.97	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	9069	0.59	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.51	152	13283	0.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	32378	0.542 ug/L	99
3) Chloromethane	2.01	50	32090	0.509 ug/L	93
5) Vinyl chloride	2.16	62	33764	0.542 ug/L	98
6) Bromomethane	2.52	94	20478	0.558 ug/L	78
8) Chloroethane	2.66	64	19263	0.536 ug/L	96
9) Trichlorofluoromethane	2.95	101	48736m	0.558 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	25959	0.543 ug/L	97
12) 1,1-Dichloroethene	3.63	96	30344	0.582 ug/L	66
13) Acetone	3.70	43	24264	6.077 ug/L	93
14) Carbon disulfide	3.93	76	67097	0.449 ug/L #	94
15) Methyl Acetate	4.19	43	6109	0.558 ug/L #	94
16) Methylene chloride	4.40	84	30058	0.644 ug/L	94
17) Methyl tert-butyl Ether	4.89	73	24561	0.430 ug/L #	82
18) trans-1,2-Dichloroethene	4.89	96	23539	0.485 ug/L	91
19) 1,1-Dichloroethane	5.68	63	42675	0.475 ug/L	91
21) 2-Butanone	6.69	43	19858	3.841 ug/L	95
22) cis-1,2-Dichloroethene	6.67	96	16366	0.402 ug/L #	99
23) Bromochloromethane	7.05	128	6382	0.499 ug/L #	85
25) Chloroform	7.23	83	43724	0.505 ug/L	99
27) 1,2-Dichloroethane	7.99	62	21169	0.489 ug/L #	83
29) 1,1,1-Trichloroethane	7.43	97	34645	0.454 ug/L	99
30) Cyclohexane	7.52	56	21206	0.299 ug/L #	90
31) Carbon tetrachloride	7.63	117	36419	0.498 ug/L	98
33) Benzene	7.90	78	79912	0.435 ug/L	100
34) Trichloroethene	8.71	95	23561	0.480 ug/L #	85
35) Methylcyclohexane	8.95	83	23451	0.336 ug/L	87
37) 1,2-Dichloropropane	8.99	63	18712	0.465 ug/L #	93
38) Bromodichloromethane	9.28	83	20886	0.446 ug/L	98
39) cis-1,3-Dichloropropene	9.72	75	14614	0.336 ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	37162	3.099 ug/L	97

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

42) Toluene	10.04	91	76719	0.406	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	10722	0.341	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	8852	0.534	ug/L	85
47) Tetrachloroethene	10.51	164	16924	0.479	ug/L	88
48) 2-Hexanone	10.63	43	28846	3.589	ug/L #	89
49) Dibromochloromethane	10.78	129	9527	0.443	ug/L	89
50) 1,2-Dibromoethane	10.89	107	6797	0.477	ug/L #	82
51) Chlorobenzene	11.31	112	54173	0.506	ug/L	96
52) Ethylbenzene	11.39	91	85848	0.395	ug/L	96
53) m,p-Xylene	11.50	106	28882	0.371	ug/L	82
54) o-Xylene	11.83	106	21626	0.315	ug/L	91
55) Styrene	11.84	104	36883	0.340	ug/L	91
56) Isopropylbenzene	12.13	105	61050	0.315	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	8200	0.510	ug/L #	87
59) 1,2,3-Trichloropropane	12.43	75	6305	0.519	ug/L	94
61) Bromoform	12.00	173	3668	0.516	ug/L #	90
62) 1,3-Dichlorobenzene	13.16	146	22975	0.450	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	34252	0.589	ug/L	93
65) 1,2-Dichlorobenzene	13.53	146	20459	0.475	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	1070	0.660	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.29	180	15220	0.453	ug/L	96
68) 1,2,4-trichlorobenzene	14.79	180	8190	0.442	ug/L	91
69) Naphthalene	15.01	128	5357	0.311	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	5043	0.385	ug/L #	85

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

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