

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR022219\
 Data File : VR026362.D
 Acq On : 22 Feb 2019 14:36
 Operator : SY/MD
 Sample : VSTD0.581
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD0.581

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 12:52:34 PM

Quant Time: Feb 23 04:20:58 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Feb 23 04:12:00 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	528949	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	426695	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	142100	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	32706	0.76	ug/L	0.00
7) Chloroethane-d5	2.62	69	27737	0.75	ug/L	0.01
11) 1,1-Dichloroethene-d2	3.61	63	70780	0.66	ug/L	0.01
20) 2-Butanone-d5	6.59	46	18557	5.72	ug/L	0.00
24) Chloroform-d	7.20	84	48965	0.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	20547	0.71	ug/L	0.00
32) Benzene-d6	7.85	84	87826	0.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	24209	0.69	ug/L	0.00
41) Toluene-d8	9.97	98	68412	0.54	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	5574	0.59	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	10247	4.31	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	9462	0.69	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	14276	0.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	21264	0.531 ug/L #	63
3) Chloromethane	2.01	50	28070	0.533 ug/L	93
5) Vinyl chloride	2.15	62	27780	0.552 ug/L	98
6) Bromomethane	2.52	94	15767	0.480 ug/L	94
8) Chloroethane	2.65	64	17991	0.576 ug/L	90
9) Trichlorofluoromethane	2.93	101	33237m	0.426 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.66	101	20683	0.499 ug/L #	79
12) 1,1-Dichloroethene	3.63	96	22515	0.496 ug/L	94
13) Acetone	3.69	43	18216	5.528 ug/L	78
14) Carbon disulfide	3.93	76	71551	0.503 ug/L #	91
15) Methyl Acetate	4.20	43	5344	0.577 ug/L	92
16) Methylene chloride	4.40	84	23007	0.550 ug/L	93
17) Methyl tert-butyl Ether	4.90	73	20428	0.465 ug/L #	71
18) trans-1,2-Dichloroethene	4.88	96	19150	0.454 ug/L	86
19) 1,1-Dichloroethane	5.69	63	38113	0.516 ug/L	97
21) 2-Butanone	6.69	43	18113	4.560 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	13977	0.391 ug/L #	96
23) Bromochloromethane	7.04	128	5683	0.524 ug/L #	68
25) Chloroform	7.23	83	36398	0.502 ug/L	95
27) 1,2-Dichloroethane	7.99	62	17780	0.544 ug/L #	94
29) 1,1,1-Trichloroethane	7.43	97	28506	0.454 ug/L #	82
30) Cyclohexane	7.52	56	16422	0.322 ug/L #	92
31) Carbon tetrachloride	7.63	117	26387	0.458 ug/L	99
33) Benzene	7.90	78	70747	0.456 ug/L	100
34) Trichloroethene	8.71	95	17881	0.454 ug/L #	73
35) Methylcyclohexane	8.96	83	18603	0.354 ug/L	97
37) 1,2-Dichloropropane	8.99	63	15208	0.450 ug/L #	96
38) Bromodichloromethane	9.28	83	19236	0.508 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	14256	0.400 ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	31416	3.566 ug/L	95

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

42) Toluene	10.03	91	62974	0.401	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	10298	0.391	ug/L	91
45) 1,1,2-Trichloroethane	10.45	97	7331	0.514	ug/L #	75
47) Tetrachloroethene	10.51	164	13534	0.468	ug/L	90
48) 2-Hexanone	10.63	43	22103	3.653	ug/L #	95
49) Dibromochloromethane	10.78	129	8331	0.452	ug/L	98
50) 1,2-Dibromoethane	10.88	107	4600	0.399	ug/L #	95
51) Chlorobenzene	11.32	112	41052	0.452	ug/L	97
52) Ethylbenzene	11.39	91	68436	0.391	ug/L	97
53) m,p-Xylene	11.50	106	21529	0.337	ug/L	98
54) o-Xylene	11.83	106	16688	0.301	ug/L	99
55) Styrene	11.84	104	26827	0.307	ug/L	98
56) Isopropylbenzene	12.13	105	47166	0.301	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.39	83	6426	0.479	ug/L #	90
59) 1,2,3-Trichloropropane	12.43	75	4211	0.435	ug/L #	67
61) Bromoform	12.00	173	3466	0.535	ug/L #	91
62) 1,3-Dichlorobenzene	13.16	146	18146	0.426	ug/L #	82
63) 1,4-Dichlorobenzene	13.24	146	23120	0.468	ug/L	99
65) 1,2-Dichlorobenzene	13.54	146	16326	0.447	ug/L #	79
66) 1,2-Dibromo-3-chloropropan	14.14	75	736m	0.526	ug/L	
67) 1,3,5-Trichlorobenzene	14.30	180	11068	0.403	ug/L	91
68) 1,2,4-trichlorobenzene	14.78	180	6466	0.430	ug/L #	96
69) Naphthalene	15.00	128	4359	0.307	ug/L	95
70) 1,2,3-Trichlorobenzene	15.18	180	4715	0.414	ug/L #	82

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

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