

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR121718\
 Data File : VR026266.D
 Acq On : 17 Dec 2018 15:37
 Operator : SY/MD
 Sample : VSTD00583
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00583

Manual Integrations
 APPROVED

apatel
 12/18/2018 4:37:55 PM

Quant Time: Dec 17 16:44:59 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Mon Dec 17 15:07:11 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	621711	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	504842	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	206870	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	198757	3.61	ug/L	0.00
7) Chloroethane-d5	2.62	69	204285	4.40	ug/L	-0.01
11) 1,1-Dichloroethene-d2	3.61	63	560137	4.20	ug/L	0.00
20) 2-Butanone-d5	6.59	46	172681	41.13	ug/L	0.00
24) Chloroform-d	7.20	84	412592	4.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.90	65	155320	4.23	ug/L	0.00
32) Benzene-d6	7.85	84	810281	4.66	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	204188	4.60	ug/L	0.00
41) Toluene-d8	9.97	98	761562	4.67	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.24	79	51038	4.24	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	122986	45.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78223	4.29	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	155777	4.39	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	270797	6.336 ug/L	96
3) Chloromethane	2.02	50	314461	5.338 ug/L	99
5) Vinyl chloride	2.17	62	321302	5.516 ug/L	94
6) Bromomethane	2.52	94	212571	5.454 ug/L	93
8) Chloroethane	2.65	64	197235	5.405 ug/L	99
9) Trichlorofluoromethane	2.94	101	505981m	5.380 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	275338	5.356 ug/L	99
12) 1,1-Dichloroethene	3.63	96	287050	5.166 ug/L #	59
13) Acetone	3.70	43	172457	44.876 ug/L	97
14) Carbon disulfide	3.94	76	946268	6.751 ug/L	100
15) Methyl Acetate	4.20	43	44277	4.258 ug/L	94
16) Methylene chloride	4.41	84	227335	4.484 ug/L	98
17) Methyl tert-butyl Ether	4.89	73	235266	4.273 ug/L	99
18) trans-1,2-Dichloroethene	4.89	96	249221	5.299 ug/L	94
19) 1,1-Dichloroethane	5.70	63	444708	5.190 ug/L	97
21) 2-Butanone	6.69	43	222186	45.314 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	228240	5.435 ug/L	98
23) Bromochloromethane	7.05	128	62369	4.776 ug/L	94
25) Chloroform	7.23	83	422205	4.463 ug/L	97
27) 1,2-Dichloroethane	7.99	62	183587	4.724 ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	420599	6.019 ug/L	98
30) Cyclohexane	7.52	56	407997	6.798 ug/L	98
31) Carbon tetrachloride	7.64	117	377873	6.033 ug/L	100
33) Benzene	7.91	78	1004977	5.495 ug/L	100
34) Trichloroethene	8.71	95	260806	5.486 ug/L	96
35) Methylcyclohexane	8.96	83	420869	6.558 ug/L	99
37) 1,2-Dichloropropane	9.00	63	202025	5.285 ug/L	100
38) Bromodichloromethane	9.28	83	225519	4.995 ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	236362	5.502 ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	530488	48.495 ug/L	99

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

42) Toluene	10.04	91	1073721	5.410	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	164604	5.657	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	82190	4.836	ug/L	90
47) Tetrachloroethene	10.51	164	202449	5.908	ug/L	91
48) 2-Hexanone	10.63	43	346627	47.344	ug/L	100
49) Dibromochloromethane	10.79	129	104828	5.129	ug/L	97
50) 1,2-Dibromoethane	10.89	107	69806	4.895	ug/L #	94
51) Chlorobenzene	11.32	112	578624	5.247	ug/L	99
52) Ethylbenzene	11.39	91	1233246	5.621	ug/L	98
53) m,p-Xylene	11.50	106	459862	5.759	ug/L	96
54) o-Xylene	11.83	106	405096	5.599	ug/L	92
55) Styrene	11.84	104	609515	5.289	ug/L	98
56) Isopropylbenzene	12.13	105	1208518	6.013	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	73127	4.497	ug/L #	91
59) 1,2,3-Trichloropropane	12.43	75	58117	4.887	ug/L	96
61) Bromoform	12.01	173	40918	5.037	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	334248	5.087	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	349882	4.833	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	270785	5.001	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.15	75	8233	4.077	ug/L	97
67) 1,3,5-Trichlorobenzene	14.29	180	212844	5.188	ug/L	97
68) 1,2,4-trichlorobenzene	14.79	180	114690	5.036	ug/L	99
69) Naphthalene	15.00	128	103786	4.663	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	83142	4.921	ug/L	97

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

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