

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR122118\
 Data File : VR026282.D
 Acq On : 21 Dec 2018 15:00
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00589

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 8:26:59 AM

Quant Time: Dec 21 22:25:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR121718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 18 00:30:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	606749	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	510417	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	214488	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	178725	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	2.63	69	187038	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	3.62	63	513516	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	6.59	46	199198	58.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.18%
24) Chloroform-d	7.20	84	419927	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	7.90	65	159698	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	7.86	84	807394	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.40%
36) 1,2-Dichloropropane-d6	8.90	67	206892	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	9.97	98	750165	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	10.24	79	53006	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	10.59	63	148108	64.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.80%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	85115	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	166392	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	245766	4.878 ug/L	98
3) Chloromethane	2.02	50	306240	5.090 ug/L	97
5) Vinyl chloride	2.17	62	305366	4.993 ug/L	98
6) Bromomethane	2.53	94	197889	4.850 ug/L	99
8) Chloroethane	2.66	64	194179	5.151 ug/L	100
9) Trichlorofluoromethane	2.94	101	481776m	5.137 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	254556	4.974 ug/L	98
12) 1,1-Dichloroethene	3.63	96	266528	4.905 ug/L	88
13) Acetone	3.70	43	180499	51.678 ug/L	100
14) Carbon disulfide	3.94	76	866473	4.858 ug/L	99
15) Methyl Acetate	4.20	43	47672	5.115 ug/L	98
16) Methylene chloride	4.41	84	229762	4.955 ug/L	96
17) Methyl tert-butyl Ether	4.90	73	269131	5.782 ug/L	100
18) trans-1,2-Dichloroethene	4.89	96	247397	5.138 ug/L	97
19) 1,1-Dichloroethane	5.70	63	431550	4.902 ug/L	96
21) 2-Butanone	6.69	43	245808	59.342 ug/L	98
22) cis-1,2-Dichloroethene	6.68	96	226417	5.265 ug/L #	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	64135	5.063	ug/L	94
25) Chloroform	7.23	83	421826	5.054	ug/L	95
27) 1,2-Dichloroethane	7.99	62	188678	5.243	ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	397113	4.751	ug/L	98
30) Cyclohexane	7.52	56	371974	5.021	ug/L	100
31) Carbon tetrachloride	7.64	117	359523	4.724	ug/L	99
33) Benzene	7.91	78	989487	4.925	ug/L	100
34) Trichloroethene	8.71	95	255322	4.819	ug/L	98
35) Methylcyclohexane	8.96	83	382027	4.974	ug/L	99
37) 1,2-Dichloropropane	9.00	63	207637	5.047	ug/L	100
38) Bromodichloromethane	9.28	83	230614	4.948	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	243648	5.384	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	596676	60.261	ug/L	99
42) Toluene	10.04	91	1069174	5.206	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	176378	5.484	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	88592	5.187	ug/L	97
47) Tetrachloroethene	10.51	164	192405	4.774	ug/L	93
48) 2-Hexanone	10.63	43	395474	61.965	ug/L	99
49) Dibromochloromethane	10.79	129	114083	5.262	ug/L	97
50) 1,2-Dibromoethane	10.89	107	75113	5.220	ug/L #	99
51) Chlorobenzene	11.32	112	579212	5.041	ug/L	96
52) Ethylbenzene	11.39	91	1235630	5.329	ug/L	100
53) m,p-Xylene	11.50	106	456635	5.266	ug/L	98
54) o-Xylene	11.83	106	411384	5.445	ug/L	98
55) Styrene	11.84	104	640437	5.614	ug/L	99
56) Isopropylbenzene	12.13	105	1184575	5.514	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	84206	5.583	ug/L	97
59) 1,2,3-Trichloropropane	12.44	75	61817	5.288	ug/L	99
61) Bromoform	12.01	173	47554	5.248	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	353690	5.073	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	367212	4.904	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	290626	5.121	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	9294	4.615	ug/L	90
67) 1,3,5-Trichlorobenzene	14.29	180	229403	5.138	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	130599	5.384	ug/L	99
69) Naphthalene	15.00	128	119318	5.476	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	92964	5.527	ug/L	94

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

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