

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR110818\
 Data File : VR026213.D
 Acq On : 8 Nov 2018 14:08
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00590

Manual Integrations
 APPROVED

MMDadoda
 11/12/2018 2:14:20 PM

Quant Time: Nov 08 14:38:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 06 15:50:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	643836	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	543456	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	216908	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	256881	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	2.62	69	233604	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	3.61	63	664750	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	6.58	46	203959	44.09	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.18%
24) Chloroform-d	7.20	84	417549	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	7.89	65	163207	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
32) Benzene-d6	7.85	84	831088	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	8.89	67	214235	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	9.97	98	807057	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	10.24	79	55053	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	10.59	63	162048	47.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.90%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	85813	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	153291	4.47	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	193926	4.484	ug/L 94
3) Chloromethane	2.02	50	326848	4.759	ug/L 97
5) Vinyl chloride	2.16	62	329408	4.815	ug/L 97
6) Bromomethane	2.52	94	226954	5.023	ug/L 99
8) Chloroethane	2.66	64	217922	5.140	ug/L 99
9) Trichlorofluoromethane	2.93	101	526778m	5.334	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	316422	5.374	ug/L 98
12) 1,1-Dichloroethene	3.63	96	319171	5.098	ug/L 84
13) Acetone	3.69	43	247403	51.734	ug/L 100
14) Carbon disulfide	3.92	76	877511	5.361	ug/L 99
15) Methyl Acetate	4.19	43	59032	4.725	ug/L 95
16) Methylene chloride	4.40	84	271132	4.776	ug/L 97
17) Methyl tert-butyl Ether	4.88	73	276297	4.861	ug/L 98
18) trans-1,2-Dichloroethene	4.88	96	241332	5.097	ug/L 96
19) 1,1-Dichloroethane	5.69	63	467068	5.254	ug/L 99
21) 2-Butanone	6.69	43	284674	51.600	ug/L 97
22) cis-1,2-Dichloroethene	6.67	96	241376	5.389	ug/L # 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	60442	4.811	ug/L	89
25) Chloroform	7.23	83	459504	5.297	ug/L	98
27) 1,2-Dichloroethane	7.99	62	211119	4.971	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	415705	5.598	ug/L	99
30) Cyclohexane	7.51	56	422855	5.673	ug/L	100
31) Carbon tetrachloride	7.63	117	374020	5.539	ug/L	97
33) Benzene	7.90	78	1112601	5.456	ug/L	100
34) Trichloroethene	8.71	95	280094	5.366	ug/L	96
35) Methylcyclohexane	8.95	83	433363	5.577	ug/L	98
37) 1,2-Dichloropropane	8.99	63	236582	5.499	ug/L	100
38) Bromodichloromethane	9.28	83	253903	5.488	ug/L	96
39) cis-1,3-Dichloropropene	9.72	75	267812	5.439	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	693466	52.780	ug/L	99
42) Toluene	10.03	91	1220743	5.672	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	190100	5.526	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	95571	5.266	ug/L	94
47) Tetrachloroethene	10.51	164	197555	5.301	ug/L	97
48) 2-Hexanone	10.63	43	474935	55.345	ug/L	99
49) Dibromochloromethane	10.79	129	116457	5.702	ug/L	100
50) 1,2-Dibromoethane	10.89	107	77532	4.945	ug/L #	88
51) Chlorobenzene	11.32	112	637708	5.352	ug/L	97
52) Ethylbenzene	11.39	91	1445174	5.839	ug/L	98
53) m,p-Xylene	11.50	106	517400	5.738	ug/L	95
54) o-Xylene	11.83	106	476649	5.766	ug/L	99
55) Styrene	11.84	104	735494	5.780	ug/L	100
56) Isopropylbenzene	12.13	105	1396705	6.083	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	92646	5.023	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	69842	5.158	ug/L	100
61) Bromoform	12.01	173	42161	5.592	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	374444	5.196	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	390804	5.237	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	302020	5.222	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	9308	3.950	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	231666	5.276	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	131026	5.113	ug/L	99
69) Naphthalene	15.00	128	123058	4.945	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	89569	5.032	ug/L	96

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

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