

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR022719\
 Data File : VR026398.D
 Acq On : 27 Feb 2019 11:40
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00591

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 12:11:29 AM

Quant Time: Feb 28 07:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Feb 27 07:30:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	611431	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	495753	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	193547	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	252881	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	2.62	69	202617	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	3.60	63	664486	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	6.58	46	175541	40.21	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.42%
24) Chloroform-d	7.20	84	415812	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	7.89	65	159143	4.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	7.85	84	829276	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	8.89	67	192462	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.40%
41) Toluene-d8	9.97	98	771133	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	10.23	79	49720	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	10.59	63	142694	45.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.74%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	68666	3.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	76.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	136414	4.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	283162	5.488	ug/L 95
3) Chloromethane	2.01	50	324791	4.987	ug/L 97
5) Vinyl chloride	2.16	62	317645	5.030	ug/L 96
6) Bromomethane	2.52	94	181175	4.981	ug/L 97
8) Chloroethane	2.65	64	186418	4.907	ug/L 95
9) Trichlorofluoromethane	2.93	101	478152m	5.819	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	265812	5.552	ug/L 97
12) 1,1-Dichloroethene	3.62	96	275829	5.163	ug/L 89
13) Acetone	3.70	43	197963	50.406	ug/L 97
14) Carbon disulfide	3.92	76	863460	5.074	ug/L 98
15) Methyl Acetate	4.18	43	52232	4.699	ug/L 98
16) Methylene chloride	4.40	84	214875	4.603	ug/L 94
17) Methyl tert-butyl Ether	4.88	73	235252	4.707	ug/L 99
18) trans-1,2-Dichloroethene	4.87	96	239679	4.919	ug/L 92
19) 1,1-Dichloroethane	5.69	63	448096	5.020	ug/L 94
21) 2-Butanone	6.68	43	250544	50.900	ug/L 98
22) cis-1,2-Dichloroethene	6.67	96	215238	5.261	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	58662	4.629	ug/L	96
25) Chloroform	7.23	83	423251	4.945	ug/L	87
27) 1,2-Dichloroethane	7.99	62	196109	4.842	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	399753	5.564	ug/L	99
30) Cyclohexane	7.51	56	428773	6.241	ug/L	98
31) Carbon tetrachloride	7.63	117	381649	5.715	ug/L	99
33) Benzene	7.90	78	970413	5.093	ug/L	100
34) Trichloroethene	8.71	95	258105	5.385	ug/L	98
35) Methylcyclohexane	8.95	83	408969	6.017	ug/L	98
37) 1,2-Dichloropropane	8.99	63	203926	5.040	ug/L	98
38) Bromodichloromethane	9.28	83	230084	4.960	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	231121	5.231	ug/L	98
40) 4-Methyl-2-pentanone	9.86	43	620680	56.108	ug/L	99
42) Toluene	10.03	91	1022633	5.344	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	166949	5.182	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	76701	4.589	ug/L	88
47) Tetrachloroethene	10.51	164	185591	5.341	ug/L	98
48) 2-Hexanone	10.63	43	413353	54.077	ug/L	99
49) Dibromochloromethane	10.78	129	102261	4.921	ug/L	95
50) 1,2-Dibromoethane	10.89	107	66652	5.116	ug/L	98
51) Chlorobenzene	11.32	112	541014	5.171	ug/L	97
52) Ethylbenzene	11.39	91	1232403	5.730	ug/L	97
53) m,p-Xylene	11.50	106	427108	5.571	ug/L	99
54) o-Xylene	11.83	106	396153	5.920	ug/L	98
55) Styrene	11.84	104	603392	5.705	ug/L	100
56) Isopropylbenzene	12.13	105	1176017	6.188	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	75405	4.952	ug/L #	89
59) 1,2,3-Trichloropropane	12.43	75	56353	5.055	ug/L	96
61) Bromoform	12.01	173	38847	4.328	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	323930	5.510	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	336948	5.162	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	250823	5.157	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	8438	4.661	ug/L #	70
67) 1,3,5-Trichlorobenzene	14.29	180	204061	5.602	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	113355	5.421	ug/L	97
69) Naphthalene	15.00	128	107369	5.562	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	89638	6.086	ug/L	95

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

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