

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR022119\
 Data File : VR026354.D
 Acq On : 21 Feb 2019 10:43
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00598

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 3:52:25 PM

Quant Time: Feb 22 06:17:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Feb 21 07:38:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	646799	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	531462	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	211373	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	208510	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	2.63	69	183727	4.12	ug/L	0.00
Spiked Amount	7.000	Range	65 - 130	Recovery	=	58.86%#
11) 1,1-Dichloroethene-d2	3.61	63	548517	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	6.58	46	183727	47.26	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.52%
24) Chloroform-d	7.20	84	423609	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	7.89	65	157985	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
32) Benzene-d6	7.85	84	817658	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	8.89	67	205315	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	9.97	98	780908	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	10.23	79	52703	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	10.59	63	158130	54.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.80%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81299	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	153017	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	236307	4.929	ug/L	97
3) Chloromethane	2.01	50	272668	4.313	ug/L	99
5) Vinyl chloride	2.17	62	270791	4.450	ug/L	97
6) Bromomethane	2.52	94	164721	4.030	ug/L	93
8) Chloroethane	2.66	64	163091	4.274	ug/L	98
9) Trichlorofluoromethane	2.94	101	459453m	4.704	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	246100	4.761	ug/L	98
12) 1,1-Dichloroethene	3.62	96	253785	4.560	ug/L	97
13) Acetone	3.69	43	176499	43.154	ug/L	97
14) Carbon disulfide	3.93	76	760435	4.398	ug/L	98
15) Methyl Acetate	4.20	43	46063	4.071	ug/L	100
16) Methylene chloride	4.40	84	208840	4.003	ug/L	92
17) Methyl tert-butyl Ether	4.89	73	238649	4.334	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	238321	4.597	ug/L	96
19) 1,1-Dichloroethane	5.69	63	417639	4.616	ug/L	98
21) 2-Butanone	6.68	43	217132	44.829	ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	214852	4.883	ug/L #	92

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

23) Bromochloromethane	7.04	128	61991	4.569	uq/L	99
25) Chloroform	7.23	83	405628	4.555	uq/L	99
27) 1,2-Dichloroethane	7.99	62	176834m	4.418	uq/L	
29) 1,1,1-Trichloroethane	7.43	97	378793	4.834	uq/L	99
30) Cyclohexane	7.51	56	350394	5.758	uq/L	99
31) Carbon tetrachloride	7.63	117	355766	4.960	uq/L	98
33) Benzene	7.90	78	955341	4.997	uq/L	100
34) Trichloroethene	8.71	95	240933	4.958	uq/L	96
35) Methylcyclohexane	8.95	83	377840	5.861	uq/L	99
37) 1,2-Dichloropropane	8.99	63	200479	4.799	uq/L	98
38) Bromodichloromethane	9.28	83	221621	4.719	uq/L	99
39) cis-1,3-Dichloropropene	9.72	75	223415	5.068	uq/L	99
40) 4-Methyl-2-pentanone	9.86	43	547266	50.193	uq/L	98
42) Toluene	10.03	91	1024786	5.264	uq/L	98
44) trans-1,3-Dichloropropene	10.26	75	157882	4.842	uq/L	97
45) 1,1,2-Trichloroethane	10.45	97	82398	4.623	uq/L	98
47) Tetrachloroethene	10.51	164	187760	5.209	uq/L	98
48) 2-Hexanone	10.63	43	365221	48.749	uq/L	99
49) Dibromochloromethane	10.79	129	109104	4.684	uq/L	99
50) 1,2-Dibromoethane	10.89	107	69230	4.745	uq/L #	97
51) Chlorobenzene	11.32	112	556359	4.887	uq/L	94
52) Ethylbenzene	11.39	91	1200405	5.542	uq/L	99
53) m,p-Xylene	11.50	106	443119	5.607	uq/L	99
54) o-Xylene	11.83	106	385298	5.569	uq/L	97
55) Styrene	11.84	104	591916	5.403	uq/L	98
56) Isopropylbenzene	12.13	105	1144019	5.872	uq/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	78641	4.651	uq/L	97
59) 1,2,3-Trichloropropane	12.43	75	55584	4.592	uq/L	98
61) Bromoform	12.00	173	41136	4.259	uq/L	99
62) 1,3-Dichlorobenzene	13.16	146	312460	4.936	uq/L	97
63) 1,4-Dichlorobenzene	13.24	146	352193	4.791	uq/L	97
65) 1,2-Dichlorobenzene	13.53	146	264743	4.836	uq/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8157	3.901	uq/L	91
67) 1,3,5-Trichlorobenzene	14.29	180	199543	4.825	uq/L	95
68) 1,2,4-trichlorobenzene	14.79	180	106642	4.748	uq/L	95
69) Naphthalene	15.00	128	90641	4.247	uq/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	83142	4.849	uq/L	99

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

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