

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040719\
 Data File : VR026506.D
 Acq On : 7 Apr 2019 20:17
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00563

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 9:34:57 AM

Quant Time: Apr 08 04:42:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 08 02:57:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	524763	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	435891	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	184441	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	184227	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	2.63	69	169139	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	3.61	63	535500	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.80%
20) 2-Butanone-d5	6.59	46	203147	57.15	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.30%
24) Chloroform-d	7.20	84	395189	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	7.89	65	169087	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.20%
32) Benzene-d6	7.85	84	741473	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.60%
36) 1,2-Dichloropropane-d6	8.89	67	195890	5.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.60%
41) Toluene-d8	9.97	98	700389	5.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.20%
43) trans-1,3-Dichloropropene-	10.23	79	45024	4.71	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.20%
46) 2-Hexanone-d5	10.59	63	180538	70.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	140.70%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	83486	5.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	140654	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.82	85	241895	4.498	ug/L	96
3) Chloromethane	2.01	50	286497	5.051	ug/L	94
5) Vinyl chloride	2.16	62	283852	5.092	ug/L	97
6) Bromomethane	2.52	94	167035	5.125	ug/L	99
8) Chloroethane	2.66	64	162270	5.134	ug/L	100
9) Trichlorofluoromethane	2.93	101	428704m	5.555	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	206384	4.847	ug/L	99
12) 1,1-Dichloroethene	3.63	96	243906	5.241	ug/L	96
13) Acetone	3.69	43	206208	57.402	ug/L	95
14) Carbon disulfide	3.93	76	630291	4.666	ug/L	98
15) Methyl Acetate	4.19	43	55353	5.711	ug/L	100
16) Methylene chloride	4.40	84	207320	5.011	ug/L	93
17) Methyl tert-butyl Ether	4.88	73	255970	4.836	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	225061	5.125	ug/L	94
19) 1,1-Dichloroethane	5.69	63	421130	5.161	ug/L	99
21) 2-Butanone	6.69	43	298169	64.556	ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	208264	5.702	ug/L #	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	60536	5.320	uq/L	97
25) Chloroform	7.23	83	414704	5.312	uq/L	99
27) 1,2-Dichloroethane	7.99	62	215745	5.541	uq/L	99
29) 1,1,1-Trichloroethane	7.43	97	350106	4.866	uq/L	96
30) Cyclohexane	7.51	56	357587	5.349	uq/L	98
31) Carbon tetrachloride	7.63	117	349509	5.128	uq/L	98
33) Benzene	7.90	78	936204	5.496	uq/L	100
34) Trichloroethene	8.71	95	237105	5.196	uq/L	97
35) Methylcyclohexane	8.95	83	335349	5.153	uq/L	99
37) 1,2-Dichloropropane	8.99	63	202128	5.415	uq/L #	97
38) Bromodichloromethane	9.28	83	237960	5.516	uq/L #	97
39) cis-1,3-Dichloropropene	9.72	75	222226	5.484	uq/L	99
40) 4-Methyl-2-pentanone	9.86	43	757462	69.246	uq/L	98
42) Toluene	10.03	91	985530	5.645	uq/L	99
44) trans-1,3-Dichloropropene	10.26	75	157598	5.332	uq/L	94
45) 1,1,2-Trichloroethane	10.45	97	89282	5.912	uq/L	96
47) Tetrachloroethene	10.51	164	165890	5.109	uq/L	90
48) 2-Hexanone	10.63	43	517216	71.087	uq/L	96
49) Dibromochloromethane	10.78	129	108198	5.469	uq/L	91
50) 1,2-Dibromoethane	10.89	107	72986	5.619	uq/L #	99
51) Chlorobenzene	11.31	112	535156	5.463	uq/L	96
52) Ethylbenzene	11.39	91	1146478	5.701	uq/L	97
53) m,p-Xylene	11.50	106	410169	5.691	uq/L	97
54) o-Xylene	11.83	106	373341	5.895	uq/L	99
55) Styrene	11.84	104	599746	5.998	uq/L	94
56) Isopropylbenzene	12.13	105	1075755	5.984	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	87640	5.977	uq/L	99
59) 1,2,3-Trichloropropane	12.43	75	62963	5.597	uq/L	97
61) Bromoform	12.01	173	40205	4.885	uq/L	95
62) 1,3-Dichlorobenzene	13.16	146	301729	5.104	uq/L	94
63) 1,4-Dichlorobenzene	13.24	146	336890	5.076	uq/L	98
65) 1,2-Dichlorobenzene	13.53	146	261090	5.324	uq/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	9373	4.973	uq/L #	94
67) 1,3,5-Trichlorobenzene	14.29	180	192108	4.973	uq/L	98
68) 1,2,4-trichlorobenzene	14.79	180	106758	4.974	uq/L	95
69) Naphthalene	15.00	128	107379	5.319	uq/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	86426	5.809	uq/L	94

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

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