

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040819\
 Data File : VR026513.D
 Acq On : 8 Apr 2019 17:52
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00565

Manual Integrations
 APPROVED

MMDadoda
 4/9/2019 10:14:07 AM

Quant Time: Apr 09 02:04:04 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Apr 09 01:39:02 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	569689	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	489073	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	215865	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	179625	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	2.63	69	163334	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	3.63	63	527416	4.71	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.20%
20) 2-Butanone-d5	6.59	46	215289	55.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.58%
24) Chloroform-d	7.20	84	411396	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	7.90	65	175113	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	7.85	84	747306	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	8.90	67	198259	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.00%
41) Toluene-d8	9.97	98	722264	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	10.24	79	51664	4.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.20%
46) 2-Hexanone-d5	10.59	63	201122	69.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	139.70%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	89973	5.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	157067	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	269364	4.614	ug/L 99
3) Chloromethane	2.01	50	294458	4.782	ug/L 99
5) Vinyl chloride	2.17	62	287429	4.750	ug/L 99
6) Bromomethane	2.52	94	175782	4.968	ug/L 96
8) Chloroethane	2.66	64	174721	5.092	ug/L 97
9) Trichlorofluoromethane	2.93	101	462727m	5.523	ug/L
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	232033	5.020	ug/L 98
12) 1,1-Dichloroethene	3.64	96	249616	4.941	ug/L 94
13) Acetone	3.70	43	208286	53.408	ug/L 97
14) Carbon disulfide	3.94	76	639786	4.363	ug/L 98
15) Methyl Acetate	4.19	43	58153	5.526	ug/L 99
16) Methylene chloride	4.41	84	217383	4.840	ug/L 88
17) Methyl tert-butyl Ether	4.90	73	279035	4.856	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	237773	4.988	ug/L 93
19) 1,1-Dichloroethane	5.69	63	444939	5.023	ug/L 98
21) 2-Butanone	6.69	43	323824	64.581	ug/L 98
22) cis-1,2-Dichloroethene	6.67	96	219127	5.527	ug/L # 86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	64471	5.219	ug/L	93
25) Chloroform	7.23	83	442654	5.223	ug/L	100
27) 1,2-Dichloroethane	7.99	62	228074	5.396	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	368633	4.567	ug/L	97
30) Cyclohexane	7.52	56	379531	5.060	ug/L	100
31) Carbon tetrachloride	7.64	117	368688	4.821	ug/L	100
33) Benzene	7.91	78	970766	5.079	ug/L	100
34) Trichloroethene	8.71	95	240244	4.693	ug/L	94
35) Methylcyclohexane	8.95	83	366445	5.019	ug/L	98
37) 1,2-Dichloropropane	8.99	63	209452	5.001	ug/L	100
38) Bromodichloromethane	9.28	83	255750	5.284	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	258416	5.684	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	848897	69.166	ug/L	98
42) Toluene	10.03	91	1057915	5.401	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	180935	5.456	ug/L	96
45) 1,1,2-Trichloroethane	10.44	97	98154	5.793	ug/L	94
47) Tetrachloroethene	10.51	164	174445	4.788	ug/L	97
48) 2-Hexanone	10.63	43	577847	70.784	ug/L	99
49) Dibromochloromethane	10.79	129	117920	5.313	ug/L	90
50) 1,2-Dibromoethane	10.89	107	81526	5.594	ug/L	96
51) Chlorobenzene	11.32	112	570648	5.192	ug/L	97
52) Ethylbenzene	11.39	91	1228020	5.442	ug/L	98
53) m,p-Xylene	11.50	106	433075	5.355	ug/L	95
54) o-Xylene	11.83	106	410045	5.770	ug/L	100
55) Styrene	11.84	104	652683	5.818	ug/L	96
56) Isopropylbenzene	12.13	105	1155264	5.728	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	98026	5.958	ug/L #	99
59) 1,2,3-Trichloropropane	12.43	75	71218	5.643	ug/L	93
61) Bromoform	12.01	173	45134	4.686	ug/L	94
62) 1,3-Dichlorobenzene	13.16	146	338052	4.886	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	371892	4.788	ug/L	100
65) 1,2-Dichlorobenzene	13.53	146	297554	5.184	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	11362	5.150	ug/L #	73
67) 1,3,5-Trichlorobenzene	14.29	180	218829	4.841	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	126870	5.050	ug/L	97
69) Naphthalene	15.00	128	133573	5.653	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	106130	6.095	ug/L	99

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

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