

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR022519\
 Data File : VR026382.D
 Acq On : 25 Feb 2019 19:02
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00588

Manual Integrations
 APPROVED

MMDadoda
 2/26/2019 4:28:21 PM

Quant Time: Feb 26 06:59:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Feb 26 06:18:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	586894	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	508577	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	211795	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	259838	4.53	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.60%
7) Chloroethane-d5	2.62	69	208189	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	3.61	63	656881	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	6.58	46	256797	61.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.56%
24) Chloroform-d	7.20	84	481597	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	7.89	65	201278	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.00%
32) Benzene-d6	7.85	84	922160	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	8.89	67	235083	4.85	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.00%
41) Toluene-d8	9.97	98	861885	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	10.23	79	62776	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	10.59	63	219130	67.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	135.84%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	94480	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	178392	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.82	85	255715	5.163	ug/L	96
3) Chloromethane	2.00	50	307426	4.917	ug/L	97
5) Vinyl chloride	2.15	62	302504	4.991	ug/L	92
6) Bromomethane	2.52	94	168730	4.832	ug/L	95
8) Chloroethane	2.65	64	170975	4.688	ug/L	99
9) Trichlorofluoromethane	2.94	101	440619m	5.586	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	240681	5.237	ug/L	97
12) 1,1-Dichloroethene	3.63	96	260679	5.084	ug/L	87
13) Acetone	3.70	43	205248	54.446	ug/L	99
14) Carbon disulfide	3.93	76	782591	4.791	ug/L	99
15) Methyl Acetate	4.19	43	58379	5.472	ug/L	97
16) Methylene chloride	4.40	84	216151	4.824	ug/L	92
17) Methyl tert-butyl Ether	4.89	73	274255	5.716	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	244379	5.225	ug/L	96
19) 1,1-Dichloroethane	5.69	63	431357	5.035	ug/L	95
21) 2-Butanone	6.69	43	294940	62.425	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	224848	5.726	ug/L #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	64652	5.315	ug/L	88
25) Chloroform	7.23	83	435256	5.298	ug/L	87
27) 1,2-Dichloroethane	7.99	62	215757	5.550	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	371561	5.041	ug/L	98
30) Cyclohexane	7.51	56	388974	5.519	ug/L	97
31) Carbon tetrachloride	7.63	117	347544	5.073	ug/L	100
33) Benzene	7.90	78	975359	4.990	ug/L	100
34) Trichloroethene	8.71	95	247582	5.036	ug/L	99
35) Methylcyclohexane	8.95	83	378651	5.430	ug/L	100
37) 1,2-Dichloropropane	8.99	63	210214	5.065	ug/L	98
38) Bromodichloromethane	9.28	83	248877	5.230	ug/L #	92
39) cis-1,3-Dichloropropene	9.72	75	257394	5.679	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	754026	66.444	ug/L	99
42) Toluene	10.03	91	1037335	5.284	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	185255	5.605	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	91317	5.326	ug/L	95
47) Tetrachloroethene	10.51	164	179841	5.045	ug/L	97
48) 2-Hexanone	10.63	43	522626	66.649	ug/L	95
49) Dibromochloromethane	10.79	129	116361	5.459	ug/L	98
50) 1,2-Dibromoethane	10.89	107	76972	5.759	ug/L	93
51) Chlorobenzene	11.31	112	570053	5.311	ug/L	97
52) Ethylbenzene	11.39	91	1214712	5.506	ug/L	100
53) m,p-Xylene	11.50	106	440148	5.596	ug/L	96
54) o-Xylene	11.83	106	403216	5.873	ug/L	97
55) Styrene	11.84	104	632204	5.826	ug/L	97
56) Isopropylbenzene	12.13	105	1152595	5.912	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	88589	5.671	ug/L #	93
59) 1,2,3-Trichloropropane	12.43	75	66219	5.790	ug/L	96
61) Bromoform	12.01	173	48509	4.939	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	332205	5.164	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	354766	4.967	ug/L	96
65) 1,2-Dichlorobenzene	13.53	146	282589	5.309	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	9385	4.738	ug/L #	81
67) 1,3,5-Trichlorobenzene	14.29	180	203847	5.114	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	123762	5.409	ug/L	99
69) Naphthalene	15.00	128	121612	5.758	ug/L	97
70) 1,2,3-Trichlorobenzene	15.18	180	94199	5.845	ug/L	99

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

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