

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092119\
 Data File : VV012923.D
 Acq On : 20 Sep 2019 14:10
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Quant Time: Sep 21 00:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 19 03:01:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	375329	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	366274	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	179303	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138071	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.58	69	125927	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.13	63	219514	4.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.20%
20) 2-Butanone-d5	3.97	46	360669	46.36	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.72%
24) Chloroform-d	4.40	84	269643	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.08	65	130712	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
32) Benzene-d6	5.10	84	517066	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
36) 1,2-Dichloropropane-d6	6.11	67	162870	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.36	98	465568	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
43) trans-1,3-Dichloropropene-	7.66	79	56718	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.14	63	239500	42.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	117970	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	163786	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	134210	5.671	ug/L	98
3) Chloromethane	1.25	50	128829	4.935	ug/L	100
5) Vinyl chloride	1.32	62	144064	4.756	ug/L	99
6) Bromomethane	1.54	94	74181	5.095	ug/L	97
8) Chloroethane	1.60	64	79098	4.971	ug/L	98
9) Trichlorofluoromethane	1.77	101	183534	4.980	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	111676	5.050	ug/L	99
12) 1,1-Dichloroethene	2.14	96	96643	4.806	ug/L	84
13) Acetone	2.24	43	190217	46.241	ug/L #	49
14) Carbon disulfide	2.32	76	203577	4.942	ug/L	99
15) Methyl Acetate	2.48	43	45755	4.252	ug/L	96
16) Methylene chloride	2.53	84	126982	5.136	ug/L	98
17) Methyl tert-butyl Ether	2.81	73	253128	4.451	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	105531	4.722	ug/L	100
19) 1,1-Dichloroethane	3.23	63	229840	4.984	ug/L	99
21) 2-Butanone	4.05	43	315400	46.670	ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	123322	4.910	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	55176	4.962	ug/L	97
25) Chloroform	4.42	83	247793	4.769	ug/L	96
27) 1,2-Dichloroethane	5.18	62	136787	4.950	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	190560	5.007	ug/L	99
30) Cyclohexane	4.72	56	156208	4.921	ug/L	100
31) Carbon tetrachloride	4.87	117	161129	4.999	ug/L	99
33) Benzene	5.14	78	488627	5.141	ug/L	100
34) Trichloroethene	5.96	95	127701	5.217	ug/L	99
35) Methylcyclohexane	6.17	83	164339	5.002	ug/L	99
37) 1,2-Dichloropropane	6.22	63	132566	5.119	ug/L	99
38) Bromodichloromethane	6.55	83	166306	4.934	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	165134	4.814	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	798862	47.903	ug/L	99
42) Toluene	7.43	91	525435	5.311	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	134223	4.899	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	94535	4.871	ug/L	97
47) Tetrachloroethene	8.02	164	100211	5.094	ug/L	98
48) 2-Hexanone	8.19	43	589305	48.906	ug/L	99
49) Dibromochloromethane	8.29	129	110903	5.018	ug/L	99
50) 1,2-Dibromoethane	8.40	107	79075	4.895	ug/L	94
51) Chlorobenzene	8.92	112	343643	5.061	ug/L	99
52) Ethylbenzene	9.05	91	548790	5.171	ug/L	99
53) m,p-xylene	9.18	106	207822	5.310	ug/L	98
54) o-xylene	9.59	106	202787	5.270	ug/L	98
55) Styrene	9.60	104	356856	5.406	ug/L	99
56) Isopropylbenzene	9.97	105	560693	5.430	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	101224	4.164	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	79619	4.713	ug/L	100
61) Bromoform	9.77	173	61116	4.971	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	275661	5.145	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	272961	4.964	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	264345	5.002	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	14972	4.122	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	208482	4.976	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	156659	4.657	ug/L	98
69) Naphthalene	13.55	128	206741	4.067	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	155536	4.686	ug/L	99

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

