

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091519\
 Data File : VV012802.D
 Acq On : 15 Sep 2019 17:30
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Quant Time: Sep 16 08:13:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 16 07:16:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	458171	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	437295	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	226984	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	161019	5.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.60%
7) Chloroethane-d5	1.58	69	130757	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.13	63	265258	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	3.99	46	284850	38.09	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.18%
24) Chloroform-d	4.40	84	271034	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.08	65	131476	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.09	84	548903	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.12	67	166658	5.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	7.36	98	515879	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	7.66	79	55640	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	8.14	63	190942	44.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.42%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95583	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	171513	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	158662	4.106 ug/L	100
3) Chloromethane	1.25	50	160715	4.120 ug/L	100
5) Vinyl chloride	1.32	62	169125	4.248 ug/L	99
6) Bromomethane	1.53	94	92023	4.216 ug/L	99
8) Chloroethane	1.60	64	100552	4.271 ug/L	96
9) Trichlorofluoromethane	1.77	101	231989	4.644 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	133433	4.465 ug/L	100
12) 1,1-Dichloroethene	2.14	96	120998	4.252 ug/L	98
13) Acetone	2.26	43	183536	41.868 ug/L	58
14) Carbon disulfide	2.31	76	301870	3.944 ug/L	100
15) Methyl Acetate	2.48	43	62680	5.315 ug/L #	87
16) Methylene chloride	2.53	84	135881	3.906 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	312247	4.676 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	131880	4.121 ug/L	98
19) 1,1-Dichloroethane	3.22	63	267546	4.442 ug/L	99
21) 2-Butanone	4.08	43	356690	47.448 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	145480	4.185 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	62318	4.195	ug/L	94
25) Chloroform	4.42	83	281071	4.237	ug/L	99
27) 1,2-Dichloroethane	5.18	62	157893	4.540	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	217846	4.526	ug/L	100
30) Cyclohexane	4.72	56	209067	4.363	ug/L	98
31) Carbon tetrachloride	4.87	117	187549	4.424	ug/L	100
33) Benzene	5.14	78	582461	4.557	ug/L	100
34) Trichloroethene	5.96	95	160330	4.540	ug/L	98
35) Methylcyclohexane	6.17	83	213892	4.285	ug/L	99
37) 1,2-Dichloropropane	6.22	63	149253	4.689	ug/L	100
38) Bromodichloromethane	6.55	83	186001	4.512	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	182845	4.378	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	874042	49.530	ug/L	99
42) Toluene	7.43	91	625174	4.709	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	139019	4.414	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	100819	4.547	ug/L	97
47) Tetrachloroethene	8.02	164	119321	4.304	ug/L	98
48) 2-Hexanone	8.19	43	679209	53.791	ug/L	99
49) Dibromochloromethane	8.29	129	117105	4.441	ug/L	97
50) 1,2-Dibromoethane	8.40	107	88514	4.505	ug/L	97
51) Chlorobenzene	8.92	112	394888	4.524	ug/L	99
52) Ethylbenzene	9.05	91	638621	4.472	ug/L	100
53) m,p-xylene	9.18	106	247015	4.576	ug/L	99
54) o-xylene	9.59	106	236929	4.582	ug/L	100
55) Styrene	9.60	104	415886	4.837	ug/L	99
56) Isopropylbenzene	9.97	105	634295	4.631	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	89702	4.058	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	87957	4.684	ug/L	99
61) Bromoform	9.77	173	60346	3.988	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	310022	4.409	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	310229	4.371	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	288700	4.360	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	13099	3.797	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	220958	4.149	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	173187	4.108	ug/L	99
69) Naphthalene	13.55	128	253156	3.972	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	172121	4.329	ug/L	100

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

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