

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071819\
 Data File : VV011946.D
 Acq On : 18 Jul 2019 20:21
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00542

Quant Time: Jul 19 05:37:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 19 05:34:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	133447	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	127992	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	65192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28733	2.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.60%
7) Chloroethane-d5	1.58	69	25437	3.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	62.60%#
11) 1,1-Dichloroethene-d2	2.13	63	65194	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	3.96	46	123734	49.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.98%
24) Chloroform-d	4.40	84	93695	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.08	65	50168	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.10	84	176720	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	53213	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.36	98	165500	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	7.67	79	20424	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
46) 2-Hexanone-d5	8.14	63	89303	52.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36649	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	63529	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	71481	5.230	ug/L 100
3) Chloromethane	1.25	50	40780	3.079	ug/L 99
5) Vinyl chloride	1.32	62	42894	3.367	ug/L 95
6) Bromomethane	1.53	94	22940	3.104	ug/L 98
8) Chloroethane	1.60	64	24299	3.353	ug/L 99
9) Trichlorofluoromethane	1.77	101	79024	4.933	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34782	4.494	ug/L 95
12) 1,1-Dichloroethene	2.14	96	31350	4.408	ug/L 98
13) Acetone	2.22	43	52661	41.919	ug/L 95
14) Carbon disulfide	2.32	76	84514	4.191	ug/L 97
15) Methyl Acetate	2.47	43	11129	4.166	ug/L # 87
16) Methylene chloride	2.53	84	31914	4.280	ug/L 95
17) Methyl tert-butyl Ether	2.81	73	107302	4.987	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	50065	5.007	ug/L 93
19) 1,1-Dichloroethane	3.23	63	89567	4.750	ug/L 96
21) 2-Butanone	4.05	43	114258	46.387	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	53508	5.198	ug/L 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	22107	5.249	ug/L	87
25) Chloroform	4.43	83	98219	4.830	ug/L	93
27) 1,2-Dichloroethane	5.18	62	61017	5.094	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	84199	5.353	ug/L	97
30) Cyclohexane	4.72	56	78817	4.706	ug/L	94
31) Carbon tetrachloride	4.87	117	74724	5.440	ug/L	98
33) Benzene	5.15	78	199656	4.985	ug/L	100
34) Trichloroethene	5.96	95	55426	4.980	ug/L	95
35) Methylcyclohexane	6.17	83	82297	4.874	ug/L	96
37) 1,2-Dichloropropane	6.22	63	47712	4.881	ug/L #	97
38) Bromodichloromethane	6.56	83	61475	5.134	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	67723	5.060	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	282262	48.049	ug/L	98
42) Toluene	7.43	91	216092	5.142	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	53360	5.016	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	33376	5.051	ug/L	97
47) Tetrachloroethene	8.02	164	44936	5.485	ug/L	97
48) 2-Hexanone	8.19	43	198233	47.141	ug/L	97
49) Dibromochloromethane	8.29	129	39426	5.502	ug/L	99
50) 1,2-Dibromoethane	8.40	107	31724	5.216	ug/L #	99
51) Chlorobenzene	8.92	112	136046	5.128	ug/L	99
52) Ethylbenzene	9.05	91	236966	5.130	ug/L	99
53) m,p-xylene	9.18	106	90850	5.281	ug/L	98
54) o-xylene	9.59	106	86449	5.393	ug/L	94
55) Styrene	9.60	104	148752	5.463	ug/L	98
56) Isopropylbenzene	9.97	105	235616	5.353	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	32451	5.149	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	28412	4.900	ug/L	99
61) Bromoform	9.78	173	20018	5.487	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	108840	5.186	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	108802	5.039	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	103484	5.264	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	5368	4.809	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	86739	5.266	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	69333	5.334	ug/L	99
69) Naphthalene	13.55	128	99791	4.999	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	64578	5.510	ug/L	97

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

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