

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112519\
 Data File : VV013756.D
 Acq On : 25 Nov 2019 10:08
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Quant Time: Nov 26 04:34:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Nov 25 16:12:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	404188	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	373096	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	205449	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109682	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.58	69	102178	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.13	63	199169	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.60%
20) 2-Butanone-d5	3.92	46	255824	49.19	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.38%
24) Chloroform-d	4.39	84	237020	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.07	65	112467	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.09	84	456957	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.11	67	140103	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.35	98	435515	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
43) trans-1,3-Dichloropropene-	7.66	79	50760	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.13	63	195918	47.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.14%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	95123	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	167213	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	137913	5.123	ug/L 97
3) Chloromethane	1.25	50	107637	4.553	ug/L 99
5) Vinyl chloride	1.32	62	123797	5.127	ug/L 93
6) Bromomethane	1.53	94	50426	3.966	ug/L 99
8) Chloroethane	1.60	64	76923	5.287	ug/L 98
9) Trichlorofluoromethane	1.77	101	198633	5.298	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	116813	5.243	ug/L 99
12) 1,1-Dichloroethene	2.14	96	98792	5.084	ug/L 91
13) Acetone	2.18	43	168313	46.281	ug/L # 59
14) Carbon disulfide	2.32	76	230020	5.127	ug/L 100
15) Methyl Acetate	2.46	43	43744	5.373	ug/L 96
16) Methylene chloride	2.53	84	124229	4.667	ug/L 96
17) Methyl tert-butyl Ether	2.80	73	262110	4.928	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	113449	5.170	ug/L 99
19) 1,1-Dichloroethane	3.23	63	228280	5.211	ug/L 99
21) 2-Butanone	4.00	43	281478	51.205	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	130605	5.075	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	59739	5.283	ug/L	98
25) Chloroform	4.42	83	259149	5.580	ug/L	98
27) 1,2-Dichloroethane	5.17	62	129682	4.879	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	203771	5.339	ug/L	99
30) Cyclohexane	4.72	56	165288	5.184	ug/L	99
31) Carbon tetrachloride	4.87	117	181489	5.405	ug/L	100
33) Benzene	5.14	78	483120	5.279	ug/L	100
34) Trichloroethene	5.95	95	131904	5.225	ug/L	96
35) Methylcyclohexane	6.17	83	175277	5.203	ug/L	97
37) 1,2-Dichloropropane	6.22	63	122619	5.213	ug/L	100
38) Bromodichloromethane	6.55	83	164653	5.305	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	173088	5.186	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	681634	49.666	ug/L	99
42) Toluene	7.43	91	518487	5.282	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	132128	5.058	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	86917	5.185	ug/L	97
47) Tetrachloroethene	8.01	164	111457	5.084	ug/L	97
48) 2-Hexanone	8.18	43	466183	47.588	ug/L	100
49) Dibromochloromethane	8.28	129	111242	5.174	ug/L	99
50) 1,2-Dibromoethane	8.39	107	77112	5.080	ug/L #	94
51) Chlorobenzene	8.92	112	342276	5.011	ug/L	99
52) Ethylbenzene	9.05	91	541931	5.082	ug/L	99
53) m,p-xylene	9.18	106	211747	5.209	ug/L	99
54) o-xylene	9.58	106	204564	5.154	ug/L	99
55) Styrene	9.60	104	354279	5.170	ug/L	99
56) Isopropylbenzene	9.97	105	567436	5.246	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	93804	5.093	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	72622	5.030	ug/L	98
61) Bromoform	9.77	173	67527	5.223	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	311569	5.220	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	302828	4.985	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	282942	5.108	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	14657	4.553	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	257501	5.108	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	205641	4.974	ug/L	99
69) Naphthalene	13.55	128	261262	4.641	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	195031	5.178	ug/L	97

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

