

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV011520\
 Data File : VV014312.D
 Acq On : 15 Jan 2020 15:23
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD005588

Quant Time: Jan 16 03:05:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR011520WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 16 03:02:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	5.66	114	925281	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	835572	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	388383	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	296465	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.58	69	232189	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.13	63	466238	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.40%
20) 2-Butanone-d5	3.96	46	701286	49.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.54%
24) Chloroform-d	4.40	84	595016	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.08	65	281977	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.09	84	1231736	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.11	67	380402	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.35	98	1109814	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.66	79	152156	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.13	63	620880	51.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.56%
56) 1,1,2,2-Tetrachloroethane-	10.25	84	253467	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
66) 1,2-Dichlorobenzene-d4	11.67	152	343306	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	378217	5.183 ug/L	97
3) Chloromethane	1.26	50	379567	5.380 ug/L	97
5) Vinyl chloride	1.33	62	346591	5.348 ug/L	99
6) Bromomethane	1.54	94	191756	5.300 ug/L	98
8) Chloroethane	1.60	64	180476	5.338 ug/L	97
9) Trichlorofluoromethane	1.77	101	408998	5.218 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	228759	5.402 ug/L	99
12) 1,1-Dichloroethene	2.14	96	215931	5.440 ug/L	91
13) Acetone	2.23	43	332861	35.536 ug/L	89
14) Carbon disulfide	2.32	76	919032	4.771 ug/L	99
15) Methyl Acetate	2.48	43	110260	5.296 ug/L	99
16) Methylene chloride	2.53	84	408484	5.054 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	716392	5.163 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	319380	5.119 ug/L	97
19) 1,1-Dichloroethane	3.23	63	605756	5.198 ug/L	100
21) 2-Butanone	4.05	43	725012	49.149 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	341009	5.146 ug/L #	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
23) Bromochloromethane	4.30	128	127662	5.113	ug/L	97
25) Chloroform	4.42	83	593942	5.243	ug/L	98
27) 1,2-Dichloroethane	5.18	62	332079	5.148	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	501467	5.160	ug/L	99
30) Cyclohexane	4.72	56	610657	5.162	ug/L	99
31) Carbon tetrachloride	4.87	117	438530	5.238	ug/L	98
33) Benzene	5.14	78	1317205	5.194	ug/L	100
34) Trichloroethene	5.96	95	339927	5.182	ug/L	98
35) Methylcyclohexane	6.17	83	604060	5.203	ug/L	99
37) 1,2-Dichloropropane	6.22	63	319514	5.145	ug/L	100
38) Bromodichloromethane	6.55	83	412053	5.242	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	511701	5.244	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1920643	51.800	ug/L	100
42) Toluene	7.42	91	1388770	5.153	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	386174	5.157	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	201047	5.130	ug/L	96
47) Tetrachloroethene	8.01	164	237642	5.253	ug/L	98
48) 2-Hexanone	8.18	43	1341397	52.830	ug/L	99
49) Dibromochloromethane	8.28	129	244952	5.078	ug/L	98
50) 1,2-Dibromoethane	8.39	107	193377	5.295	ug/L	99
51) Chlorobenzene	8.92	112	830388	5.043	ug/L	99
52) Ethylbenzene	9.05	91	1574469	5.196	ug/L	99
53) m,p-xylene	9.18	106	579536	5.175	ug/L	95
54) o-xylene	9.58	106	561519	5.164	ug/L	98
55) Styrene	9.60	104	938387	5.216	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	249371	5.176	ug/L	99
59) Bromoform	9.77	173	120477	5.055	ug/L	98
60) Isopropylbenzene	9.97	105	1523736	5.282	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	176078	5.045	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	1289625	5.297	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	1286071	5.310	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	629584	5.262	ug/L	98
65) 1,4-Dichlorobenzene	11.31	146	630417	5.194	ug/L	99
67) 1,2-Dichlorobenzene	11.68	146	560680	5.208	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	42244	4.785	ug/L	100
69) 1,3,5-Trichlorobenzene	12.68	180	463610	5.287	ug/L	99
70) 1,2,4-trichlorobenzene	13.30	180	391104	5.287	ug/L	100
71) Naphthalene	13.54	128	707345	5.133	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	337579	5.294	ug/L	99

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

