

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016602.D
 Acq On : 06 Jun 2020 20:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Jun 06 23:51:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 23:47:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	388451	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	366005	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	188886	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126476	45.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.94%
7) Chloroethane-d5	1.57	69	92672	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.32%
11) 1,1-Dichloroethene-d2	2.12	63	224705	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
21) 2-Butanone-d5	3.89	46	202949	115.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.36%
24) Chloroform-d	4.37	84	276146	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.96%
26) 1,2-Dichloroethane-d4	5.05	65	181159	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.80%
32) Benzene-d6	5.07	84	530338	54.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.18%
36) 1,2-Dichloropropane-d6	6.09	67	163905	53.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.30%
41) Toluene-d8	7.33	98	485278	54.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.00%
43) trans-1,3-Dichloropropene-	7.64	79	81033	54.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.86%
47) 2-Hexanone-d5	8.10	63	156578	119.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.68%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	221766	53.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	199497	56.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	146587	45.737	ug/L 99
3) Chloromethane	1.25	50	145078	46.981	ug/L 98
5) Vinyl chloride	1.32	62	131055	43.924	ug/L 100
6) Bromomethane	1.52	94	66397	42.777	ug/L 97
8) Chloroethane	1.59	64	73928	44.212	ug/L 95
9) Trichlorofluoromethane	1.76	101	197450	45.825	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	97921	43.694	ug/L 99
12) 1,1-Dichloroethene	2.13	96	92984	43.116	ug/L 98
13) Acetone	2.17	43	105433	64.123	ug/L 98
14) Carbon disulfide	2.31	76	342046	45.811	ug/L 99
15) Methyl Acetate	2.44	43	145531	48.156	ug/L 99
16) Methylene chloride	2.52	84	133676	43.967	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	124974	45.928	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	422066	50.102	ug/L 99
19) 1,1-Dichloroethane	3.21	63	239982	47.687	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	140097	47.707	ug/L 97
22) 2-Butanone	3.97	43	197479	96.788	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	71158	47.089	ug/L	98
25) Chloroform	4.40	83	245081	46.464	ug/L	99
27) 1,2-Dichloroethane	5.15	62	204084	47.617	ug/L	99
29) Cyclohexane	4.70	56	221781	51.055	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	224687	50.372	ug/L	98
31) Carbon tetrachloride	4.85	117	191966	50.041	ug/L	98
33) Benzene	5.12	78	524663	48.742	ug/L	100
34) Trichloroethene	5.94	95	139021	49.221	ug/L	97
35) Methylcyclohexane	6.15	83	219655	54.180	ug/L	100
37) 1,2-Dichloropropane	6.20	63	135898	48.437	ug/L	100
38) Bromodichloromethane	6.53	83	178965	49.644	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	209305	51.164	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	398424	103.205	ug/L	99
42) Toluene	7.41	91	553008	48.483	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	205585	51.221	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	130569	48.128	ug/L	100
46) Tetrachloroethene	8.00	164	109019	50.061	ug/L	98
48) 2-Hexanone	8.16	43	304699	101.523	ug/L	99
49) Dibromochloromethane	8.27	129	139544	52.909	ug/L	99
50) 1,2-Dibromoethane	8.37	107	138502	48.262	ug/L	98
51) Chlorobenzene	8.90	112	357833	47.733	ug/L	98
52) Ethylbenzene	9.03	91	629007	50.668	ug/L	99
53) m,p-Xylene	9.16	106	235444	50.297	ug/L	96
54) o-xylene	9.56	106	231594	51.085	ug/L	98
55) Styrene	9.58	104	397306	50.025	ug/L	99
56) Isopropylbenzene	9.95	105	627293	53.270	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	207853	47.761	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	167899	47.956	ug/L	96
61) Bromoform	9.75	173	91897	58.104	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	290126	49.575	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	289875	47.738	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	295002	50.081	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	45879	51.322	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	212206	53.897	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	192579	52.833	ug/L	97
69) Naphthalene	13.53	128	587476	52.509	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	192681	55.607	ug/L	100

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

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