

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015362.D
 Acq On : 02 Apr 2020 06:38
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05090

Quant Time: Apr 02 06:59:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 06:34:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	708210	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	680538	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	337791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	266416	41.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.90%
7) Chloroethane-d5	1.58	69	232513	42.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.72%
11) 1,1-Dichloroethene-d2	2.12	63	504860	44.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.96%
21) 2-Butanone-d5	3.94	46	317592	94.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.10%
24) Chloroform-d	4.38	84	459750	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.70%
26) 1,2-Dichloroethane-d4	5.06	65	278866	42.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.40%
32) Benzene-d6	5.08	84	916840	43.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.50%
36) 1,2-Dichloropropane-d6	6.09	67	272325	44.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.14%
41) Toluene-d8	7.34	98	899075	44.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.72%
43) trans-1,3-Dichloropropene-	7.64	79	136083	39.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.72%
47) 2-Hexanone-d5	8.11	63	247710	87.78	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.78%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	395129	44.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	348105	45.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	286376	44.715	ug/L	98
3) Chloromethane	1.25	50	264907	43.890	ug/L	98
5) Vinyl chloride	1.32	62	272784	43.147	ug/L	99
6) Bromomethane	1.53	94	183086	43.809	ug/L	98
8) Chloroethane	1.60	64	172092	39.624	ug/L	100
9) Trichlorofluoromethane	1.77	101	441750	36.957	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	233088	43.637	ug/L	98
12) 1,1-Dichloroethene	2.13	96	228371	45.053	ug/L	95
13) Acetone	2.22	43	195673	88.323	ug/L	98
14) Carbon disulfide	2.31	76	624838	44.571	ug/L	99
15) Methyl Acetate	2.46	43	229138	47.226	ug/L	98
16) Methylene chloride	2.52	84	252630	47.128	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	226265	46.761	ug/L	95
18) Methyl tert-butyl Ether	2.79	73	750197	47.030	ug/L	98
19) 1,1-Dichloroethane	3.21	63	401093	45.559	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	257875	46.575	ug/L #	93
22) 2-Butanone	4.02	43	322545	98.410	ug/L	97

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

23) Bromochloromethane	4.28	128	136120	48.678	ug/L	91
25) Chloroform	4.41	83	437981	45.877	ug/L	100
27) 1,2-Dichloroethane	5.16	62	319050	44.371	ug/L	100
29) Cyclohexane	4.70	56	349399	43.153	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	400872	45.840	ug/L	99
31) Carbon tetrachloride	4.85	117	348088	46.556	ug/L	100
33) Benzene	5.13	78	931145	46.227	ug/L	100
34) Trichloroethene	5.94	95	245617	46.052	ug/L	96
35) Methylcyclohexane	6.15	83	375000	42.916	ug/L	98
37) 1,2-Dichloropropane	6.20	63	228202	46.161	ug/L	99
38) Bromodichloromethane	6.53	83	327376	45.170	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	361912	43.562	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	648408	93.299	ug/L	97
42) Toluene	7.41	91	1042052	46.550	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	346418	42.911	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	242038	46.428	ug/L	98
46) Tetrachloroethene	8.00	164	191045	49.964	ug/L	94
48) 2-Hexanone	8.16	43	514629	97.788	ug/L	99
49) Dibromochloromethane	8.27	129	267712	46.892	ug/L	98
50) 1,2-Dibromoethane	8.37	107	262216	47.119	ug/L #	98
51) Chlorobenzene	8.90	112	687997	46.893	ug/L	99
52) Ethylbenzene	9.03	91	1154917	45.965	ug/L	99
53) m,p-Xylene	9.16	106	459919	47.536	ug/L	99
54) o-xylene	9.57	106	457271	47.183	ug/L	98
55) Styrene	9.58	104	766148	47.540	ug/L	99
56) Isopropylbenzene	9.95	105	1172282	46.696	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	388631	46.434	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	314425	47.103	ug/L	99
61) Bromoform	9.75	173	177851	47.136	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	534933	47.040	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	528961	45.864	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	537397	46.332	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	97092	42.393	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	354642	47.056	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	328095	47.660	ug/L	99
69) Naphthalene	13.53	128	1231730	46.801	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	336119	47.400	ug/L	99

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

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