

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022120\
 Data File : VV014667.D
 Acq On : 21 Feb 2020 20:45
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05072

Quant Time: Feb 21 23:42:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 21 23:36:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	230557	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	216932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111219	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42125	46.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.56%
7) Chloroethane-d5	1.59	69	31123	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.38%
11) 1,1-Dichloroethene-d2	2.13	63	82028	48.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.74%
21) 2-Butanone-d5	3.94	46	92115	110.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.05%
24) Chloroform-d	4.40	84	150543	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.14%
26) 1,2-Dichloroethane-d4	5.08	65	97075	51.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.02%
32) Benzene-d6	5.10	84	291766	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
36) 1,2-Dichloropropane-d6	6.11	67	86211	51.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.98%
41) Toluene-d8	7.35	98	279766	50.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.18%
43) trans-1,3-Dichloropropene-	7.66	79	48101	51.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.58%
47) 2-Hexanone-d5	8.13	63	72030	107.35	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.35%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	122504	52.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.62%
64) 1,2-Dichlorobenzene-d4	11.67	152	108120	49.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.38%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	79841	49.012	ug/L	99
3) Chloromethane	1.25	50	38363	44.531	ug/L	98
5) Vinyl chloride	1.33	62	41169	47.582	ug/L	98
6) Bromomethane	1.54	94	25818	50.237	ug/L	98
8) Chloroethane	1.60	64	20043	42.469	ug/L	98
9) Trichlorofluoromethane	1.77	101	91195	48.585	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37997	48.658	ug/L	98
12) 1,1-Dichloroethene	2.14	96	33696	47.944	ug/L	99
13) Acetone	2.21	43	54014	72.678	ug/L	100
14) Carbon disulfide	2.32	76	147156	46.252	ug/L	99
15) Methyl Acetate	2.47	43	59535	49.035	ug/L	100
16) Methylene chloride	2.54	84	71286	48.622	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	66750	48.979	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	230173	50.239	ug/L	99
19) 1,1-Dichloroethane	3.23	63	120753	49.159	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	79299	50.096	ug/L	96
22) 2-Butanone	4.03	43	82870	88.051	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	39466	49.112	ug/L	95
25) Chloroform	4.42	83	143710	50.293	ug/L	97
27) 1,2-Dichloroethane	5.18	62	107946	51.549	ug/L	99
29) Cyclohexane	4.72	56	98188	48.431	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	125724	49.836	ug/L	98
31) Carbon tetrachloride	4.87	117	109984	49.274	ug/L	99
33) Benzene	5.14	78	275272	49.203	ug/L	100
34) Trichloroethene	5.96	95	77804	47.775	ug/L	97
35) Methylcyclohexane	6.17	83	112765	48.508	ug/L	99
37) 1,2-Dichloropropane	6.22	63	67458	49.298	ug/L	99
38) Bromodichloromethane	6.55	83	102957	48.816	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	116313	47.596	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	172989	102.052	ug/L	99
42) Toluene	7.43	91	299217	49.468	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	109165	49.237	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	73966	50.502	ug/L	97
46) Tetrachloroethene	8.02	164	56554	48.001	ug/L	98
48) 2-Hexanone	8.18	43	131028	98.553	ug/L	99
49) Dibromochloromethane	8.29	129	87203	50.101	ug/L	100
50) 1,2-Dibromoethane	8.39	107	78752	48.802	ug/L	99
51) Chlorobenzene	8.92	112	201236	48.824	ug/L	99
52) Ethylbenzene	9.05	91	344372	49.679	ug/L	100
53) m,p-Xylene	9.18	106	131925	49.224	ug/L	100
54) o-xylene	9.58	106	129580	49.678	ug/L	98
55) Styrene	9.60	104	221306	50.887	ug/L	99
56) Isopropylbenzene	9.97	105	345570	50.115	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	115152	51.064	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	92788	50.117	ug/L	100
61) Bromoform	9.77	173	59441	49.235	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	160459	48.123	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	162631	47.660	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	159028	47.899	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	27734	49.130	ug/L	96
67) 1,3,5-Trichlorobenzene	12.68	180	115163	46.991	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	107784	46.886	ug/L	99
69) Naphthalene	13.54	128	366659	47.489	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	110037	46.588	ug/L	98

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

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