

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022120\
 Data File : VV014688.D
 Acq On : 22 Feb 2020 05:18
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Quant Time: Feb 24 04:40:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 24 04:25:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	209618	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	195768	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	101169	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36275	44.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.62%
7) Chloroethane-d5	1.59	69	29485	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.38%
11) 1,1-Dichloroethene-d2	2.13	63	77070	50.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.00%
21) 2-Butanone-d5	3.95	46	79455	104.41	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.41%
24) Chloroform-d	4.40	84	139486	52.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.08%
26) 1,2-Dichloroethane-d4	5.08	65	93108	54.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.68%
32) Benzene-d6	5.10	84	269388	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.98%
36) 1,2-Dichloropropane-d6	6.11	67	77585	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.70%
41) Toluene-d8	7.35	98	257641	51.62	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.24%
43) trans-1,3-Dichloropropene-	7.66	79	42953	50.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.50%
47) 2-Hexanone-d5	8.13	63	62807	103.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.72%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	112666	53.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.64%
64) 1,2-Dichlorobenzene-d4	11.67	152	102452	51.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	77674	52.445	ug/L 100
3) Chloromethane	1.25	50	34548	44.108	ug/L 100
5) Vinyl chloride	1.33	62	35935	45.681	ug/L 100
6) Bromomethane	1.54	94	23632	50.577	ug/L 98
8) Chloroethane	1.60	64	20218	47.119	ug/L 96
9) Trichlorofluoromethane	1.77	101	87054	51.011	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	35650	50.213	ug/L 98
12) 1,1-Dichloroethene	2.14	96	31525	49.336	ug/L 95
13) Acetone	2.22	43	50146	74.213	ug/L 93
14) Carbon disulfide	2.32	76	141659	48.972	ug/L 98
15) Methyl Acetate	2.47	43	55711	50.469	ug/L 100
16) Methylene chloride	2.54	84	69014	51.774	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	63424	51.188	ug/L 98
18) Methyl tert-butyl Ether	2.81	73	218511	52.457	ug/L 99
19) 1,1-Dichloroethane	3.23	63	114412	51.230	ug/L 97
20) cis-1,2-Dichloroethene	3.96	96	74506	51.770	ug/L 97
22) 2-Butanone	4.04	43	76477	89.376	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	37267	51.008	ug/L	94
25) Chloroform	4.42	83	137389	52.884	ug/L	99
27) 1,2-Dichloroethane	5.18	62	101634	53.383	ug/L	99
29) Cyclohexane	4.72	56	91319	49.912	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	122073	53.620	ug/L	99
31) Carbon tetrachloride	4.87	117	106968	53.103	ug/L	100
33) Benzene	5.14	78	259734	51.445	ug/L	100
34) Trichloroethene	5.96	95	72922	49.618	ug/L	97
35) Methylcyclohexane	6.17	83	106628	50.827	ug/L	99
37) 1,2-Dichloropropane	6.22	63	63753	51.627	ug/L	98
38) Bromodichloromethane	6.55	83	100167	52.628	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	108970	49.412	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	157328	102.847	ug/L	100
42) Toluene	7.43	91	286209	52.433	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	100280	50.120	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	70093	53.031	ug/L	99
46) Tetrachloroethene	8.01	164	55293	52.005	ug/L	99
48) 2-Hexanone	8.18	43	124044	103.387	ug/L	97
49) Dibromochloromethane	8.29	129	85311	54.312	ug/L	97
50) 1,2-Dibromoethane	8.39	107	75798	52.049	ug/L	99
51) Chlorobenzene	8.92	112	193960	52.146	ug/L	99
52) Ethylbenzene	9.05	91	328356	52.489	ug/L	97
53) m,p-Xylene	9.18	106	127183	52.585	ug/L	100
54) o-xylene	9.58	106	122463	52.025	ug/L	99
55) Styrene	9.60	104	211530	53.897	ug/L	97
56) Isopropylbenzene	9.97	105	332233	53.390	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	108531	53.330	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	88776	53.134	ug/L	99
61) Bromoform	9.77	173	57049	51.948	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	156877	51.723	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	156426	50.395	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	154191	51.056	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	25969	50.573	ug/L	97
67) 1,3,5-Trichlorobenzene	12.68	180	110563	49.595	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	105206	50.311	ug/L	100
69) Naphthalene	13.54	128	351482	50.046	ug/L	100
70) 1,2,3-Trichlorobenzene	13.78	180	106285	49.470	ug/L	98

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

