

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021320\
 Data File : VV014585.D
 Acq On : 13 Feb 2020 13:44
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05099

Quant Time: Feb 13 15:30:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 13 13:28:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	294168	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	278276	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	141417	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52890	46.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.64%
7) Chloroethane-d5	1.58	69	38678	48.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.36%
11) 1,1-Dichloroethene-d2	2.13	63	92343	48.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.98%
21) 2-Butanone-d5	3.92	46	94855	101.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.25%
24) Chloroform-d	4.40	84	171928	52.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.38%
26) 1,2-Dichloroethane-d4	5.07	65	107635	52.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.34%
32) Benzene-d6	5.09	84	334637	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.56%
36) 1,2-Dichloropropane-d6	6.11	67	101472	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.24%
41) Toluene-d8	7.35	98	324721	50.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.44%
43) trans-1,3-Dichloropropene-	7.66	79	55409	50.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.26%
47) 2-Hexanone-d5	8.13	63	76810	95.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.90%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	138487	50.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	125986	50.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	102810	49.248	ug/L 99
3) Chloromethane	1.26	50	82216	44.337	ug/L 98
5) Vinyl chloride	1.32	62	62658	47.544	ug/L 98
6) Bromomethane	1.53	94	32675	50.954	ug/L 100
8) Chloroethane	1.60	64	31459	47.528	ug/L 99
9) Trichlorofluoromethane	1.77	101	112675	49.491	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	49113	50.604	ug/L 100
12) 1,1-Dichloroethene	2.14	96	44435	49.253	ug/L 94
13) Acetone	2.18	43	47344	58.907	ug/L 99
14) Carbon disulfide	2.32	76	207664	47.022	ug/L 99
15) Methyl Acetate	2.45	43	72360	46.975	ug/L 99
16) Methylene chloride	2.53	84	90573	48.030	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	88256	49.591	ug/L 96
18) Methyl tert-butyl Ether	2.80	73	278387	48.780	ug/L 100
19) 1,1-Dichloroethane	3.23	63	152812	48.969	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	99679	48.446	ug/L 99
22) 2-Butanone	4.00	43	102457	85.024	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	48849	49.017	ug/L	97
25) Chloroform	4.42	83	169467	49.082	ug/L	98
27) 1,2-Dichloroethane	5.17	62	126427	49.665	ug/L	98
29) Cyclohexane	4.72	56	134313	48.214	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	150961	49.867	ug/L	99
31) Carbon tetrachloride	4.87	117	133127	48.702	ug/L	100
33) Benzene	5.14	78	356180	48.750	ug/L	100
34) Trichloroethene	5.95	95	97219	49.310	ug/L	98
35) Methylcyclohexane	6.17	83	151774	49.167	ug/L	99
37) 1,2-Dichloropropane	6.22	63	87695	48.609	ug/L	99
38) Bromodichloromethane	6.55	83	128610	48.616	ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	152079	47.750	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	204724	91.867	ug/L	100
42) Toluene	7.43	91	389851	48.932	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	139177	48.388	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	92346	49.553	ug/L	97
46) Tetrachloroethene	8.01	164	77242	49.822	ug/L	99
48) 2-Hexanone	8.18	43	154321	88.822	ug/L	97
49) Dibromochloromethane	8.28	129	107409	48.360	ug/L	99
50) 1,2-Dibromoethane	8.39	107	98383	48.792	ug/L	99
51) Chlorobenzene	8.92	112	259358	48.692	ug/L	99
52) Ethylbenzene	9.05	91	443404	49.062	ug/L	99
53) m,p-Xylene	9.18	106	170942	48.448	ug/L	99
54) o-xylene	9.58	106	164770	48.857	ug/L	100
55) Styrene	9.60	104	285259	49.226	ug/L	99
56) Isopropylbenzene	9.97	105	443179	49.403	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	141932	48.209	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	109681	47.242	ug/L	99
61) Bromoform	9.77	173	73483	48.009	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	207173	48.441	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	210095	48.195	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	200327	47.684	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	31370	45.837	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	150449	48.916	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	136820	48.037	ug/L	98
69) Naphthalene	13.54	128	412989	45.727	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	129533	47.176	ug/L	99

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

