

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020320\
 Data File : VV014483.D
 Acq On : 03 Feb 2020 14:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Quant Time: Feb 04 06:33:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 04 05:31:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	475269	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	440013	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	217646	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107979	40.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.82%
7) Chloroethane-d5	1.58	69	76654	46.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.42%
11) 1,1-Dichloroethene-d2	2.13	63	168423	47.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.60%
21) 2-Butanone-d5	3.92	46	179786	101.23	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.23%
24) Chloroform-d	4.39	84	254599	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
26) 1,2-Dichloroethane-d4	5.07	65	155682	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
32) Benzene-d6	5.09	84	527304	45.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.02%
36) 1,2-Dichloropropane-d6	6.11	67	165080	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.08%
41) Toluene-d8	7.35	98	486252	45.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.92%
43) trans-1,3-Dichloropropene-	7.66	79	88013	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.48%
47) 2-Hexanone-d5	8.12	63	139853	97.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.52%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	211005	44.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.36%
64) 1,2-Dichlorobenzene-d4	11.67	152	178552	44.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	180415	45.405	ug/L 99
3) Chloromethane	1.26	50	198985	47.965	ug/L 99
5) Vinyl chloride	1.32	62	149728	44.914	ug/L 99
6) Bromomethane	1.53	94	55172	49.672	ug/L 100
8) Chloroethane	1.60	64	69950	47.786	ug/L 99
9) Trichlorofluoromethane	1.77	101	183766	47.877	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	93061	51.715	ug/L 98
12) 1,1-Dichloroethene	2.14	96	87271	48.271	ug/L 91
13) Acetone	2.18	43	167837	110.753	ug/L 94
14) Carbon disulfide	2.32	76	412853	46.494	ug/L 99
15) Methyl Acetate	2.45	43	144125	49.353	ug/L 99
16) Methylene chloride	2.53	84	154060	44.255	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	146860	46.832	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	460392	47.730	ug/L 99
19) 1,1-Dichloroethane	3.23	63	265920	46.472	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	161777	46.255	ug/L 99
22) 2-Butanone	4.00	43	223974	102.571	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	74904	45.684	ug/L	96
25) Chloroform	4.42	83	262771	45.590	ug/L	99
27) 1,2-Dichloroethane	5.17	62	192047	46.865	ug/L	100
29) Cyclohexane	4.72	56	259357	48.247	ug/L	100
30) 1,1,1-Trichloroethane	4.65	97	227474	48.243	ug/L	99
31) Carbon tetrachloride	4.87	117	201755	49.040	ug/L	98
33) Benzene	5.14	78	592811	45.660	ug/L	100
34) Trichloroethene	5.96	95	153367	46.770	ug/L	98
35) Methylcyclohexane	6.17	83	259540	47.634	ug/L	98
37) 1,2-Dichloropropane	6.21	63	149159	45.973	ug/L	100
38) Bromodichloromethane	6.55	83	200796	46.222	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	253287	47.476	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	384073	97.915	ug/L	98
42) Toluene	7.42	91	628540	46.247	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	225443	47.582	ug/L	99
45) 1,1,2-Trichloroethane	7.87	97	138651	45.229	ug/L	99
46) Tetrachloroethene	8.01	164	115564	48.188	ug/L	98
48) 2-Hexanone	8.17	43	305997	99.728	ug/L	97
49) Dibromochloromethane	8.28	129	157980	46.840	ug/L	100
50) 1,2-Dibromoethane	8.39	107	151075	46.286	ug/L	100
51) Chlorobenzene	8.92	112	399888	45.994	ug/L	100
52) Ethylbenzene	9.05	91	702849	46.076	ug/L	100
53) m,p-Xylene	9.17	106	268792	47.190	ug/L	99
54) o-xylene	9.58	106	258464	45.795	ug/L	99
55) Styrene	9.60	104	444209	46.897	ug/L	99
56) Isopropylbenzene	9.97	105	680515	47.156	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	218537	44.625	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	172589	45.013	ug/L	99
61) Bromoform	9.77	173	106354	46.768	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	311797	46.579	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	316578	45.939	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	297835	45.014	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	46285	44.005	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	216612	48.033	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	197902	48.309	ug/L	100
69) Naphthalene	13.54	128	645808	49.779	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	190150	48.170	ug/L	98

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

