

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016111.D
 Acq On : 18 May 2020 18:53
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Quant Time: May 19 04:52:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 04:04:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.65	114	313779	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	312932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161712	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	107241	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.78%
7) Chloroethane-d5	1.58	69	97739	48.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.38%
11) 1,1-Dichloroethene-d2	2.13	63	207055	48.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.78%
21) 2-Butanone-d5	3.93	46	157745	115.58	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.58%
24) Chloroform-d	4.38	84	199990	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
26) 1,2-Dichloroethane-d4	5.06	65	152443	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
32) Benzene-d6	5.08	84	424523	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
36) 1,2-Dichloropropane-d6	6.10	67	137717	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.46%
41) Toluene-d8	7.34	98	403619	50.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.64	79	67336	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.92%
47) 2-Hexanone-d5	8.11	63	102402	115.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.86%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	177995	52.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	157843	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	114636	47.149	ug/L 100
3) Chloromethane	1.25	50	118166	46.746	ug/L 98
5) Vinyl chloride	1.32	62	114415	46.766	ug/L 99
6) Bromomethane	1.53	94	70543	47.547	ug/L 97
8) Chloroethane	1.60	64	76299	47.016	ug/L 100
9) Trichlorofluoromethane	1.77	101	162801	49.247	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	94390	47.000	ug/L 99
12) 1,1-Dichloroethene	2.14	96	87295	47.361	ug/L 98
13) Acetone	2.22	43	108237	81.453	ug/L 100
14) Carbon disulfide	2.31	76	250348	47.210	ug/L 99
15) Methyl Acetate	2.46	43	114790	51.719	ug/L 99
16) Methylene chloride	2.53	84	114676	48.456	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	99365	48.756	ug/L 98
18) Methyl tert-butyl Ether	2.79	73	349053	50.037	ug/L 100
19) 1,1-Dichloroethane	3.22	63	205143	49.276	ug/L 99
20) cis-1,2-Dichloroethene	3.95	96	111054	49.111	ug/L 100
22) 2-Butanone	4.02	43	157350	105.222	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	57349	48.567	ug/L	98
25) Chloroform	4.41	83	233993	53.523	ug/L	100
27) 1,2-Dichloroethane	5.16	62	176858	50.580	ug/L	99
29) Cyclohexane	4.71	56	175480	48.802	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	186825	47.613	ug/L	98
31) Carbon tetrachloride	4.86	117	156361	47.186	ug/L	98
33) Benzene	5.13	78	440448	49.404	ug/L	100
34) Trichloroethene	5.94	95	111938	48.719	ug/L	97
35) Methylcyclohexane	6.16	83	169661	47.331	ug/L	100
37) 1,2-Dichloropropane	6.20	63	117037	48.688	ug/L	100
38) Bromodichloromethane	6.53	83	157055	48.736	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	182772	50.383	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	318966	105.661	ug/L	100
42) Toluene	7.41	91	475133	49.682	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	180508	49.651	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	108674	49.093	ug/L	99
46) Tetrachloroethene	8.00	164	81893	46.440	ug/L	98
48) 2-Hexanone	8.16	43	243908	106.474	ug/L	98
49) Dibromochloromethane	8.27	129	120448	51.360	ug/L	98
50) 1,2-Dibromoethane	8.38	107	114178	49.798	ug/L	99
51) Chlorobenzene	8.90	112	308781	49.452	ug/L	99
52) Ethylbenzene	9.04	91	540954	49.993	ug/L	100
53) m,p-Xylene	9.16	106	201693	50.036	ug/L	97
54) o-xylene	9.57	106	196959	50.111	ug/L	97
55) Styrene	9.58	104	347934	51.611	ug/L	96
56) Isopropylbenzene	9.96	105	533695	51.038	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	174340	50.391	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	144243	50.449	ug/L	99
61) Bromoform	9.75	173	76102	49.321	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	240313	47.846	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	246073	47.911	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	244053	48.134	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	39479	50.385	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	163821	47.237	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	153496	49.284	ug/L	99
69) Naphthalene	13.52	128	478491	52.877	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	156444	49.572	ug/L	99

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

