

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090320\
 Data File : VV018152.D
 Acq On : 03 Sep 2020 13:07
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050609

Quant Time: Sep 04 02:19:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 04 02:12:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	260100	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	256054	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	141549	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70259	49.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.84%
7) Chloroethane-d5	1.58	69	66592	65.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	131.96%#
11) 1,1-Dichloroethene-d2	2.12	63	157751	64.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	128.00%#
21) 2-Butanone-d5	3.91	46	143333	138.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	138.36%#
24) Chloroform-d	4.38	84	168446	47.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.44%
26) 1,2-Dichloroethane-d4	5.06	65	109731	47.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.76%
32) Benzene-d6	5.08	84	316678	42.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.94%
36) 1,2-Dichloropropane-d6	6.09	67	105784	49.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.12%
41) Toluene-d8	7.34	98	287637	40.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.98%
43) trans-1,3-Dichloropropene-	7.64	79	53145	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.58%
47) 2-Hexanone-d5	8.11	63	82779	93.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.38%
56) 1,1,2,2-Tetrachloroethane-	10.24	84	154759	51.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.88%
66) 1,2-Dichlorobenzene-d4	11.65	152	132608	39.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.66%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	82221	44.756	ug/L 98
3) Chloromethane	1.25	50	94748	72.633	ug/L 97
5) Vinyl chloride	1.32	62	100532	79.843	ug/L 99
6) Bromomethane	1.53	94	63484	86.846	ug/L 99
8) Chloroethane	1.60	64	67787	102.797	ug/L 99
9) Trichlorofluoromethane	1.76	101	150705	73.615	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88014	87.701	ug/L 91
12) 1,1-Dichloroethene	2.13	96	83046	87.880	ug/L 93
13) Acetone	2.20	43	123310	174.579	ug/L 95
14) Carbon disulfide	2.31	76	198826	62.261	ug/L 100
15) Methyl Acetate	2.45	43	110377	89.312	ug/L 92
16) Methylene chloride	2.52	84	100945	70.403	ug/L 90
17) trans-1,2-Dichloroethene	2.78	96	86461	64.795	ug/L 92
18) Methyl tert-butyl Ether	2.78	73	315189	68.742	ug/L 97
19) 1,1-Dichloroethane	3.21	63	179569	73.793	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	101493	64.575	ug/L 85
22) 2-Butanone	4.00	43	162956	179.016	ug/L 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	53165	61.515	ug/L	# 79
25) Chloroform	4.40	83	187491	67.973	ug/L	99
27) 1,2-Dichloroethane	5.16	62	147213	68.669	ug/L	100
29) Cyclohexane	4.70	56	139772	65.280	ug/L	91
30) 1,1,1-Trichloroethane	4.64	97	157098	57.757	ug/L	96
31) Carbon tetrachloride	4.86	117	132973	52.697	ug/L	98
33) Benzene	5.13	78	385170	65.347	ug/L	100
34) Trichloroethene	5.94	95	102091	62.316	ug/L	95
35) Methylcyclohexane	6.16	83	139730	57.303	ug/L	92
37) 1,2-Dichloropropane	6.20	63	106741	74.246	ug/L	98
38) Bromodichloromethane	6.53	83	140910	62.303	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	166922	65.855	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	302026	163.227	ug/L	97
42) Toluene	7.41	91	416582	63.606	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	164955	68.942	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	104890	67.682	ug/L	96
46) Tetrachloroethene	8.00	164	78246	51.261	ug/L	97
48) 2-Hexanone	8.16	43	238285	170.813	ug/L	98
49) Dibromochloromethane	8.27	129	114061	56.717	ug/L	100
50) 1,2-Dibromoethane	8.37	107	107932	62.974	ug/L	98
51) Chlorobenzene	8.90	112	272694	61.756	ug/L	97
52) Ethylbenzene	9.03	91	459426	62.518	ug/L	98
53) m,p-Xylene	9.16	106	173144	61.076	ug/L	98
54) o-Xylene	9.56	106	171854	61.091	ug/L	99
55) Styrene	9.58	104	305132	64.389	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	166121	69.705	ug/L	99
59) Bromoform	9.75	173	86104	51.859	ug/L	99
60) Isopropylbenzene	9.95	105	461022	59.496	ug/L	98
61) 1,2,3-Trichloropropane	10.30	75	139294	72.470	ug/L	96
62) 1,3,5-Trimethylbenzene	10.56	105	385031	57.478	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	399630	60.444	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	231353	59.173	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	236414	59.822	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	234260	58.724	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	36189	57.129	ug/L	85
69) 1,3,5-Trichlorobenzene	12.67	180	183098	57.771	ug/L	99
70) 1,2,4-trichlorobenzene	13.28	180	173332	63.075	ug/L	99
71) Naphthalene	13.52	128	489700	70.309	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	178837	64.668	ug/L	98

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

