

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072020\
 Data File : VV017558.D
 Acq On : 20 Jul 2020 20:57
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

Quant Time: Jul 21 01:48:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 18:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	346669	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	331377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	181281	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76517	39.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.14%
7) Chloroethane-d5	1.58	69	60747	38.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.34%
11) 1,1-Dichloroethene-d2	2.12	63	169441	36.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.06%
21) 2-Butanone-d5	3.91	46	146604	104.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.34%
24) Chloroform-d	4.37	84	203573	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
26) 1,2-Dichloroethane-d4	5.05	65	138766	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
32) Benzene-d6	5.07	84	359451	49.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.36%
36) 1,2-Dichloropropane-d6	6.09	67	111739	51.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.66%
41) Toluene-d8	7.33	98	338117	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%
43) trans-1,3-Dichloropropene-	7.64	79	61965	46.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.44%
47) 2-Hexanone-d5	8.10	63	110888	109.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.53%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	166006	53.34	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.68%
64) 1,2-Dichlorobenzene-d4	11.65	152	154477	47.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	147569	45.341	ug/L	100
3) Chloromethane	1.25	50	109116	42.236	ug/L	100
5) Vinyl chloride	1.32	62	108653	39.119	ug/L	98
6) Bromomethane	1.53	94	67622	37.579	ug/L	95
8) Chloroethane	1.60	64	60740	38.406	ug/L	98
9) Trichlorofluoromethane	1.76	101	191216	39.511	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	92456	35.776	ug/L	97
12) 1,1-Dichloroethene	2.13	96	84549	36.560	ug/L	94
13) Acetone	2.19	43	119048	69.461	ug/L	96
14) Carbon disulfide	2.31	76	261201	41.610	ug/L	99
15) Methyl Acetate	2.45	43	122054	49.590	ug/L	96
16) Methylene chloride	2.52	84	118606	45.725	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	105591	47.189	ug/L	95
18) Methyl tert-butyl Ether	2.78	73	385562	47.831	ug/L	98
19) 1,1-Dichloroethane	3.21	63	204941	49.030	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	120185	48.955	ug/L	98
22) 2-Butanone	3.99	43	165192	105.615	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.27	128	67436	49.039	ug/L	91
25) Chloroform	4.40	83	224021	47.804	ug/L	98
27) 1,2-Dichloroethane	5.15	62	188820	46.914	ug/L	97
29) Cyclohexane	4.70	56	165513	52.283	ug/L #	94
30) 1,1,1-Trichloroethane	4.63	97	208061	46.977	ug/L	99
31) Carbon tetrachloride	4.85	117	181948	44.828	ug/L	99
33) Benzene	5.12	78	438733	51.253	ug/L	100
34) Trichloroethene	5.94	95	117450	49.782	ug/L	94
35) Methylcyclohexane	6.15	83	173447	49.841	ug/L	99
37) 1,2-Dichloropropane	6.19	63	111855	51.423	ug/L	99
38) Bromodichloromethane	6.53	83	172022	49.018	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	185460	50.479	ug/L	97
40) 4-Methyl-2-pentanone	7.24	43	339234	112.400	ug/L	99
42) Toluene	7.41	91	480041	50.755	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	191889	49.540	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	119817	50.598	ug/L	98
46) Tetrachloroethene	7.99	164	100436	48.735	ug/L	99
48) 2-Hexanone	8.16	43	260923	108.288	ug/L	99
49) Dibromochloromethane	8.27	129	145447	48.707	ug/L	98
50) 1,2-Dibromoethane	8.37	107	128572	48.718	ug/L	100
51) Chlorobenzene	8.90	112	322385	48.423	ug/L	99
52) Ethylbenzene	9.03	91	543350	48.729	ug/L	99
53) m,p-Xylene	9.16	106	204396	49.307	ug/L	99
54) o-xylene	9.56	106	205839	50.850	ug/L	99
55) Styrene	9.58	104	358382	51.701	ug/L	97
56) Isopropylbenzene	9.95	105	556701	50.962	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	188836	53.554	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	157010	51.893	ug/L	99
61) Bromoform	9.75	173	111377	48.334	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	273202	48.195	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	276752	46.871	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	280573	47.922	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	49631	45.796	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	223044	49.191	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	198826	48.792	ug/L	99
69) Naphthalene	13.52	128	606856	52.919	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	204496	50.455	ug/L	98

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

