

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061220\
 Data File : VV016900.D
 Acq On : 13 Jun 2020 00:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Jun 13 03:11:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 13 03:02:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	351992	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	334291	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168442	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	109920	44.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.52%
7) Chloroethane-d5	1.56	69	65968	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.52%
11) 1,1-Dichloroethene-d2	2.12	63	196777	47.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.36%
21) 2-Butanone-d5	3.90	46	180358	98.11	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.11%
24) Chloroform-d	4.38	84	248622	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
26) 1,2-Dichloroethane-d4	5.05	65	171125	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
32) Benzene-d6	5.07	84	450546	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.50%
36) 1,2-Dichloropropane-d6	6.09	67	141312	47.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.08%
41) Toluene-d8	7.34	98	420130	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%
43) trans-1,3-Dichloropropene-	7.64	79	73449	46.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.90%
47) 2-Hexanone-d5	8.11	63	118392	90.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.41%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	183629	46.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.36%
64) 1,2-Dichlorobenzene-d4	11.65	152	170089	47.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	138067	49.475	ug/L 99
3) Chloromethane	1.25	50	118484	46.427	ug/L 98
5) Vinyl chloride	1.32	62	120439	47.991	ug/L 99
6) Bromomethane	1.52	94	48650	46.545	ug/L 98
8) Chloroethane	1.58	64	65974	53.219	ug/L 97
9) Trichlorofluoromethane	1.76	101	189526	50.465	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89933	48.056	ug/L 98
12) 1,1-Dichloroethene	2.13	96	84697	48.481	ug/L 96
13) Acetone	2.18	43	118273	97.649	ug/L 96
14) Carbon disulfide	2.31	76	283246	44.780	ug/L 99
15) Methyl Acetate	2.44	43	132362	49.030	ug/L 98
16) Methylene chloride	2.52	84	127016	49.546	ug/L 98
17) trans-1,2-Dichloroethene	2.78	96	113057	47.463	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	398057	50.433	ug/L 99
19) 1,1-Dichloroethane	3.21	63	222061	49.526	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	128250	49.387	ug/L 95
22) 2-Butanone	3.98	43	182607	97.767	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66802	48.833	ug/L	99
25) Chloroform	4.40	83	236808	51.392	ug/L	99
27) 1,2-Dichloroethane	5.15	62	198026	51.266	ug/L	97
29) Cyclohexane	4.70	56	191094	46.001	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	217850	51.100	ug/L	99
31) Carbon tetrachloride	4.86	117	188274	51.050	ug/L	99
33) Benzene	5.12	78	473402	47.863	ug/L	100
34) Trichloroethene	5.94	95	131845	49.703	ug/L	98
35) Methylcyclohexane	6.15	83	189136	45.450	ug/L	97
37) 1,2-Dichloropropane	6.20	63	125662	48.855	ug/L	99
38) Bromodichloromethane	6.53	83	171609	50.119	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	189958	47.544	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	368514	101.107	ug/L	99
42) Toluene	7.41	91	511048	49.014	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	191842	49.389	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	124130	50.021	ug/L	96
46) Tetrachloroethene	8.00	164	100764	48.299	ug/L	97
48) 2-Hexanone	8.16	43	289357	102.389	ug/L	98
49) Dibromochloromethane	8.27	129	137613	51.864	ug/L	97
50) 1,2-Dibromoethane	8.37	107	130492	50.215	ug/L	99
51) Chlorobenzene	8.90	112	333246	48.988	ug/L	99
52) Ethylbenzene	9.03	91	572319	49.556	ug/L	99
53) m,p-Xylene	9.16	106	215260	50.060	ug/L	100
54) o-xylene	9.56	106	216188	50.977	ug/L	98
55) Styrene	9.58	104	363426	50.686	ug/L	100
56) Isopropylbenzene	9.95	105	575985	50.546	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	179373	47.144	ug/L	95
59) 1,2,3-Trichloropropane	10.30	75	155401	48.694	ug/L	100
61) Bromoform	9.75	173	90331	52.137	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	264384	49.555	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	264652	48.754	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	271938	50.862	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	42057	50.027	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	190222	47.814	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	179692	49.243	ug/L	100
69) Naphthalene	13.52	128	555646	52.936	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	183826	51.485	ug/L	99

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

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