

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100620\
 Data File : VV018684.D
 Acq On : 06 Oct 2020 10:37
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050309

Quant Time: Oct 07 05:33:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 05 16:27:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	224479	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	245969	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	118943	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75659	54.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.64%
7) Chloroethane-d5	1.58	69	56012	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.44%
11) 1,1-Dichloroethene-d2	2.12	63	153636	52.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.22%
21) 2-Butanone-d5	3.90	46	105178	105.34	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.34%
24) Chloroform-d	4.37	84	151210	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
26) 1,2-Dichloroethane-d4	5.05	65	104267	56.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.76%
32) Benzene-d6	5.07	84	284638	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.90%
36) 1,2-Dichloropropane-d6	6.09	67	87065	43.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.20%
41) Toluene-d8	7.33	98	271739	47.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.86%
43) trans-1,3-Dichloropropene-	7.64	79	47610	47.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.02%
47) 2-Hexanone-d5	8.11	63	70952	96.52	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.52%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	113558	44.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.56%
66) 1,2-Dichlorobenzene-d4	11.65	152	109925	49.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	67579	40.790	ug/L	100
3) Chloromethane	1.25	50	72696	39.559	ug/L	99
5) Vinyl chloride	1.32	62	87565	46.568	ug/L	99
6) Bromomethane	1.53	94	58893	49.289	ug/L	99
8) Chloroethane	1.59	64	51577	42.562	ug/L	98
9) Trichlorofluoromethane	1.76	101	139402	52.137	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	79067	48.236	ug/L	96
12) 1,1-Dichloroethene	2.13	96	70970	45.528	ug/L	94
13) Acetone	2.18	43	105843	83.811	ug/L	97
14) Carbon disulfide	2.31	76	237414	53.641	ug/L	100
15) Methyl Acetate	2.44	43	94930	56.958	ug/L	100
16) Methylene chloride	2.52	84	85079	48.208	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	74271	47.071	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	249018	50.776	ug/L	96
19) 1,1-Dichloroethane	3.21	63	140244	45.783	ug/L	99
20) cis-1,2-Dichloroethene	3.93	96	82199	48.315	ug/L	97
22) 2-Butanone	3.99	43	115732	92.319	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	46377	50.903	ug/L	95
25) Chloroform	4.40	83	151432	48.897	ug/L	100
27) 1,2-Dichloroethane	5.15	62	127551	53.152	ug/L	99
29) Cyclohexane	4.70	56	111909	39.094	ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	134029	44.304	ug/L	99
31) Carbon tetrachloride	4.85	117	117687	44.624	ug/L	99
33) Benzene	5.12	78	311834	42.331	ug/L	100
34) Trichloroethene	5.94	95	91433	45.149	ug/L	97
35) Methylcyclohexane	6.15	83	108767	36.991	ug/L	98
37) 1,2-Dichloropropane	6.20	63	80893	41.529	ug/L	99
38) Bromodichloromethane	6.53	83	117610	46.135	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	129447	44.299	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	226645	98.042	ug/L	98
42) Toluene	7.41	91	339656	43.949	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	134433	46.400	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	86277	47.033	ug/L	100
46) Tetrachloroethene	7.99	164	69643	43.917	ug/L	94
48) 2-Hexanone	8.16	43	200761	102.471	ug/L	96
49) Dibromochloromethane	8.27	129	106851	52.322	ug/L	96
50) 1,2-Dibromoethane	8.37	107	103732	54.319	ug/L	99
51) Chlorobenzene	8.90	112	246926	47.812	ug/L	100
52) Ethylbenzene	9.03	91	412995	48.557	ug/L	99
53) m,p-Xylene	9.16	106	155588	48.990	ug/L	100
54) o-Xylene	9.56	106	139571	45.613	ug/L	99
55) Styrene	9.58	104	248882	46.500	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	113977	42.618	ug/L	98
59) Bromoform	9.75	173	65132	48.987	ug/L #	97
60) Isopropylbenzene	9.95	105	359953	49.100	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	106033	51.372	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	301083	50.738	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	312887	51.356	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	185998	49.921	ug/L	99
65) 1,4-Dichlorobenzene	11.29	146	187280	47.962	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	182058	48.598	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	27301	52.351	ug/L	99
69) 1,3,5-Trichlorobenzene	12.67	180	109233	37.595	ug/L	98
70) 1,2,4-trichlorobenzene	13.28	180	106276	40.824	ug/L	98
71) Naphthalene	13.52	128	351280	52.023	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	109167	41.725	ug/L	98

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

