

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080619\
 Data File : VV012118.D
 Acq On : 06 Aug 2019 17:32
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050681

Quant Time: Aug 07 04:59:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM080619W.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 06 18:20:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	262699	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	242562	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	129714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64837	45.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.30%
7) Chloroethane-d5	1.58	69	43098	42.28	ug/L	0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.56%
11) 1,1-Dichloroethene-d2	2.13	63	111912	44.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.90%
21) 2-Butanone-d5	3.92	46	112435	107.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.46%
24) Chloroform-d	4.40	84	180792	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	5.08	65	119207	51.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.00%
32) Benzene-d6	5.10	84	352331	50.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.94%
36) 1,2-Dichloropropane-d6	6.12	67	103072	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.94%
41) Toluene-d8	7.36	98	345068	51.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.54%
43) trans-1,3-Dichloropropene-	7.66	79	61220	53.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.50%
47) 2-Hexanone-d5	8.13	63	95010	113.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.14%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	149413	52.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.86%
66) 1,2-Dichlorobenzene-d4	11.67	152	154222	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	103390	55.722	ug/L	100
3) Chloromethane	1.25	50	69088	52.439	ug/L	98
5) Vinyl chloride	1.33	62	64809	50.962	ug/L	100
6) Bromomethane	1.52	94	39689	53.757	ug/L	97
8) Chloroethane	1.60	64	30839	46.304	ug/L	100
9) Trichlorofluoromethane	1.77	101	106543	51.528	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	51591	50.899	ug/L	97
12) 1,1-Dichloroethene	2.14	96	47122	49.371	ug/L	92
13) Acetone	2.19	43	63168	88.547	ug/L	99
14) Carbon disulfide	2.32	76	157181	48.733	ug/L	99
15) Methyl Acetate	2.46	43	64240	51.466	ug/L	97
16) Methylene chloride	2.53	84	71340	49.263	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	68145	50.564	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	242900	52.452	ug/L	99
19) 1,1-Dichloroethane	3.23	63	126202	51.349	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	84586	53.286	ug/L	96
22) 2-Butanone	4.01	43	102442	111.425	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	45685	52.338	ug/L	97
25) Chloroform	4.43	83	150393	53.984	ug/L	100
27) 1,2-Dichloroethane	5.18	62	122047	56.366	ug/L	98
29) Cyclohexane	4.73	56	108450	53.469	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	143492	55.689	ug/L	99
31) Carbon tetrachloride	4.88	117	133576	55.881	ug/L	98
33) Benzene	5.15	78	308853	55.314	ug/L	100
34) Trichloroethene	5.96	95	87250	56.219	ug/L	99
35) Methylcyclohexane	6.18	83	126442	54.738	ug/L	99
37) 1,2-Dichloropropane	6.22	63	76182	55.937	ug/L	100
38) Bromodichloromethane	6.55	83	119070	55.575	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	135259	56.331	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	202529	115.543	ug/L	100
42) Toluene	7.43	91	349870	56.392	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	126021	55.599	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	83410	56.815	ug/L	97
46) Tetrachloroethene	8.02	164	78836	54.520	ug/L	99
48) 2-Hexanone	8.18	43	151833	114.895	ug/L	98
49) Dibromochloromethane	8.29	129	107597	56.479	ug/L	100
50) 1,2-Dibromoethane	8.40	107	91300	56.233	ug/L	100
51) Chlorobenzene	8.92	112	233987	55.938	ug/L	99
52) Ethylbenzene	9.05	91	388079	55.747	ug/L	100
53) m,p-Xylene	9.18	106	151491	56.410	ug/L	97
54) o-Xylene	9.59	106	149204	55.990	ug/L	98
55) Styrene	9.60	104	254345	56.658	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	126876	56.199	ug/L	98
59) Bromoform	9.77	173	86796	57.045	ug/L	100
60) Isopropylbenzene	9.97	105	407046	57.323	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	101751	57.767	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	347206	56.560	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	344113	56.796	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	201071	56.120	ug/L	99
65) 1,4-Dichlorobenzene	11.31	146	197455	54.523	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	202962	55.521	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.47	75	33250	57.278	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	161802	55.709	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	140278	55.704	ug/L	99
71) Naphthalene	13.55	128	367596	57.594	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	143318	56.553	ug/L	98

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

