

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081320\
 Data File : VV017982.D
 Acq On : 13 Aug 2020 20:12
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Quant Time: Aug 14 04:18:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 14 04:14:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	253110	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	249164	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	134912	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	101312	52.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.92%
7) Chloroethane-d5	1.58	69	82541	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.48%
11) 1,1-Dichloroethene-d2	2.12	63	193105	52.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.54%
21) 2-Butanone-d5	3.91	46	130022	102.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.79%
24) Chloroform-d	4.38	84	182774	51.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.98%
26) 1,2-Dichloroethane-d4	5.06	65	119180	52.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.40%
32) Benzene-d6	5.08	84	356757	51.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.90%
36) 1,2-Dichloropropane-d6	6.09	67	114992	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.44%
41) Toluene-d8	7.34	98	330799	53.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.14%
43) trans-1,3-Dichloropropene-	7.64	79	54516	53.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.08%
47) 2-Hexanone-d5	8.11	63	75100	104.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.25%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	148433	50.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	134372	50.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.22%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	95997	49.126	ug/L	100
3) Chloromethane	1.25	50	106242	46.804	ug/L	99
5) Vinyl chloride	1.32	62	113269	50.363	ug/L	97
6) Bromomethane	1.53	94	52749	39.243	ug/L	100
8) Chloroethane	1.60	64	73411	51.141	ug/L	99
9) Trichlorofluoromethane	1.76	101	157549	49.040	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	89851	50.089	ug/L	99
12) 1,1-Dichloroethene	2.13	96	88315	52.016	ug/L	99
13) Acetone	2.19	43	97503	74.632	ug/L	98
14) Carbon disulfide	2.31	76	245113	52.453	ug/L	100
15) Methyl Acetate	2.45	43	110931	52.615	ug/L	98
16) Methylene chloride	2.52	84	102545	47.408	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	90589	51.905	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	303883	52.648	ug/L	100
19) 1,1-Dichloroethane	3.21	63	184948	52.702	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	102312	53.345	ug/L	97
22) 2-Butanone	3.99	43	147238	100.461	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	53112	53.010	ug/L	97
25) Chloroform	4.40	83	185102	51.713	ug/L	100
27) 1,2-Dichloroethane	5.16	62	150533	52.836	ug/L	99
29) Cyclohexane	4.70	56	152435	50.690	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	157711	51.652	ug/L	99
31) Carbon tetrachloride	4.86	117	131264	51.641	ug/L	99
33) Benzene	5.13	78	397977	51.627	ug/L	100
34) Trichloroethene	5.94	95	104143	51.110	ug/L	98
35) Methylcyclohexane	6.16	83	152923	50.471	ug/L	100
37) 1,2-Dichloropropane	6.20	63	106717	50.763	ug/L	99
38) Bromodichloromethane	6.53	83	134591	51.543	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	153894	51.638	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	292413	106.402	ug/L	100
42) Toluene	7.41	91	425719	52.924	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	153753	54.375	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	101005	51.881	ug/L	99
46) Tetrachloroethene	8.00	164	78603	52.599	ug/L	97
48) 2-Hexanone	8.16	43	226124	102.036	ug/L	99
49) Dibromochloromethane	8.27	129	102380	53.876	ug/L	99
50) 1,2-Dibromoethane	8.37	107	105246	52.250	ug/L	97
51) Chlorobenzene	8.90	112	270693	52.324	ug/L	99
52) Ethylbenzene	9.04	91	465902	53.120	ug/L	100
53) m,p-Xylene	9.16	106	173116	53.665	ug/L	100
54) o-xylene	9.57	106	168976	53.006	ug/L	97
55) Styrene	9.58	104	302776	55.461	ug/L	99
56) Isopropylbenzene	9.96	105	453664	53.944	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	157526	51.960	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	133856	51.556	ug/L	100
61) Bromoform	9.75	173	66851	52.369	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	221091	51.535	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	225259	51.112	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	223630	50.644	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33093	50.865	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	170293	52.253	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	157847	55.090	ug/L	99
69) Naphthalene	13.52	128	451952	57.228	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	166566	57.164	ug/L	99

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

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