

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092120\
 Data File : VX018518.D
 Acq On : 21 Sep 2020 18:05
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050408

Manual Integrations
 APPROVED

MMDadoda
 10/6/2020 1:13:24 PM

Quant Time: Sep 22 02:25:33 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM092120WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Sep 22 02:17:51 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	645767	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	613989	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	322416	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	213362	49.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.46%
7) Chloroethane-d5	1.70	69	159272	49.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.26%
11) 1,1-Dichloroethene-d2	2.35	63	437460	50.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.28%
21) 2-Butanone-d5	4.54	46	281204	98.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.76%
24) Chloroform-d	5.14	84	432166	52.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.24%
26) 1,2-Dichloroethane-d4	6.03	65	299257	48.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.82%
32) Benzene-d6	6.05	84	816836	51.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	7.37	67	256787	51.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.58%
41) Toluene-d8	8.70	98	789125	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%
43) trans-1,3-Dichloropropene-	8.99	79	142290	49.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.92%
47) 2-Hexanone-d5	9.43	63	206992	100.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.46%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	336140	50.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.28%
66) 1,2-Dichlorobenzene-d4	12.36	152	317565	51.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.18%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	267656	48.133 ug/L	100
3) Chloromethane	1.31	50	211741	49.877 ug/L	100
5) Vinyl chloride	1.39	62	228574	48.413 ug/L	99
6) Bromomethane	1.64	94	130462	51.849 ug/L	96
8) Chloroethane	1.71	64	128292	46.251 ug/L	98
9) Trichlorofluoromethane	1.92	101	387012	48.532 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	210015	48.443 ug/L	99
12) 1,1-Dichloroethene	2.36	96	200459	49.280 ug/L	84
13) Acetone	2.43	43	177889	84.938 ug/L	99
14) Carbon disulfide	2.56	76	601506	48.629 ug/L	99
15) Methyl Acetate	2.75	43	207652	46.723 ug/L #	90
16) Methylene chloride	2.84	84	212056	47.583 ug/L	99
17) trans-1,2-Dichloroethene	3.15	96	207617	48.504 ug/L	97
18) Methyl tert-butyl Ether	3.17	73	675680	49.000 ug/L	99
19) 1,1-Dichloroethane	3.67	63	388364	48.801 ug/L	100
20) cis-1,2-Dichloroethene	4.56	96	223918m	47.837 ug/L	
22) 2-Butanone	4.64	43	286516	90.100 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	125402m	48.687	ug/L	
25) Chloroform	5.18	83	424509	47.715	ug/L	99
27) 1,2-Dichloroethane	6.17	62	340758	47.856	ug/L	99
29) Cyclohexane	5.56	56	335198	49.758	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	398808	48.339	ug/L	99
31) Carbon tetrachloride	5.76	117	369191	49.539	ug/L	99
33) Benzene	6.11	78	855312	49.660	ug/L	100
34) Trichloroethene	7.19	95	234797	48.858	ug/L	96
35) Methylcyclohexane	7.45	83	345040	49.405	ug/L	98
37) 1,2-Dichloropropane	7.49	63	223140	49.092	ug/L	100
38) Bromodichloromethane	7.88	83	319704	48.986	ug/L	100
39) cis-1,3-Dichloropropene	8.41	75	355843	48.498	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	580579	96.302	ug/L	99
42) Toluene	8.77	91	930677	50.298	ug/L	97
44) trans-1,3-Dichloropropene	9.02	75	372770	49.923	ug/L	98
45) 1,1,2-Trichloroethane	9.20	97	217252	49.342	ug/L	99
46) Tetrachloroethene	9.32	164	192574	48.691	ug/L	97
48) 2-Hexanone	9.48	43	442671	93.222	ug/L	99
49) Dibromochloromethane	9.57	129	270705	48.793	ug/L	91
50) 1,2-Dibromoethane	9.65	107	235507	48.634	ug/L	97
51) Chlorobenzene	10.12	112	610096	49.093	ug/L	98
52) Ethylbenzene	10.24	91	1033596	50.147	ug/L	98
53) m,p-Xylene	10.34	106	393413	50.113	ug/L	95
54) o-Xylene	10.68	106	388491	51.379	ug/L	99
55) Styrene	10.70	104	671872	51.612	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	324578	48.174	ug/L	95
59) Bromoform	10.84	173	198805	46.765	ug/L	99
60) Isopropylbenzene	11.00	105	1046717	50.745	ug/L	98
61) 1,2,3-Trichloropropane	11.28	75	261350	44.934	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	860759	50.547	ug/L	99
63) 1,2,4-Trimethylbenzene	11.79	105	879394	50.699	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	494972	48.583	ug/L	96
65) 1,4-Dichlorobenzene	12.08	146	487961	47.424	ug/L	89
67) 1,2-Dichlorobenzene	12.38	146	479982	48.929	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.98	75	78846	46.216	ug/L	98
69) 1,3,5-Trichlorobenzene	13.15	180	345865	51.177	ug/L	91
70) 1,2,4-trichlorobenzene	13.63	180	308309	49.702	ug/L	95
71) Naphthalene	13.82	128	977219	50.472	ug/L	100
72) 1,2,3-Trichlorobenzene	14.00	180	317358	51.043	ug/L	100

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

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