

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110320\
 Data File : VX019233.D
 Acq On : 03 Nov 2020 14:54
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050412

Quant Time: Nov 04 01:25:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXLM110220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 01:20:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.82	114	422804	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	401803	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	197344	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	159845	43.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.82%
7) Chloroethane-d5	1.70	69	131959	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.64%
11) 1,1-Dichloroethene-d2	2.34	63	283182	47.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.30%
21) 2-Butanone-d5	4.53	46	199707	107.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.54%
24) Chloroform-d	5.13	84	284838	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.10%
26) 1,2-Dichloroethane-d4	6.03	65	189419	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.94%
32) Benzene-d6	6.04	84	581636	46.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.26%
36) 1,2-Dichloropropane-d6	7.37	67	174601	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.82%
41) Toluene-d8	8.70	98	546237	43.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.28%
43) trans-1,3-Dichloropropene-	8.99	79	91737	46.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.92%
47) 2-Hexanone-d5	9.43	63	161633	106.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.25%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	227760	52.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.84%
66) 1,2-Dichlorobenzene-d4	12.36	152	194598	49.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.22%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	138839	51.809	ug/L 99
3) Chloromethane	1.31	50	140720	51.691	ug/L 99
5) Vinyl chloride	1.39	62	162398	52.922	ug/L 98
6) Bromomethane	1.64	94	107474	53.000	ug/L 98
8) Chloroethane	1.71	64	105487	55.159	ug/L 99
9) Trichlorofluoromethane	1.92	101	245920	54.017	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	141696	53.964	ug/L 99
12) 1,1-Dichloroethene	2.35	96	134825	52.913	ug/L 94
13) Acetone	2.42	43	124209	108.234	ug/L 99
14) Carbon disulfide	2.55	76	391240	50.879	ug/L 99
15) Methyl Acetate	2.75	43	135257	54.007	ug/L 99
16) Methylene chloride	2.83	84	148889	52.400	ug/L 97
17) trans-1,2-Dichloroethene	3.14	96	142962	52.191	ug/L 99
18) Methyl tert-butyl Ether	3.16	73	462134	53.369	ug/L 100
19) 1,1-Dichloroethane	3.67	63	258296	53.068	ug/L 100
20) cis-1,2-Dichloroethene	4.56	96	160805	53.448	ug/L 98
22) 2-Butanone	4.63	43	198459	109.501	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	79201	52.269	ug/L	96
25) Chloroform	5.17	83	280946	54.990	ug/L	99
27) 1,2-Dichloroethane	6.15	62	216570	53.839	ug/L	99
29) Cyclohexane	5.54	56	238265	51.516	ug/L	99
30) 1,1,1-Trichloroethane	5.46	97	246933	50.980	ug/L	99
31) Carbon tetrachloride	5.75	117	211774	50.889	ug/L	100
33) Benzene	6.11	78	595524	51.622	ug/L	100
34) Trichloroethene	7.18	95	161345	51.246	ug/L	99
35) Methylcyclohexane	7.44	83	254890	51.146	ug/L	99
37) 1,2-Dichloropropane	7.48	63	150172	52.410	ug/L	100
38) Bromodichloromethane	7.87	83	202694	50.866	ug/L	98
39) cis-1,3-Dichloropropene	8.41	75	244930	51.450	ug/L	98
40) 4-Methyl-2-pentanone	8.62	43	381998	109.009	ug/L	100
42) Toluene	8.76	91	655409	52.230	ug/L	100
44) trans-1,3-Dichloropropene	9.02	75	237990	51.314	ug/L	100
45) 1,1,2-Trichloroethane	9.20	97	149472	53.101	ug/L	98
46) Tetrachloroethene	9.32	164	121790	51.271	ug/L	95
48) 2-Hexanone	9.47	43	303475	109.901	ug/L	99
49) Dibromochloromethane	9.56	129	163016	52.944	ug/L	97
50) 1,2-Dibromoethane	9.65	107	155662	52.875	ug/L	99
51) Chlorobenzene	10.12	112	412668	52.884	ug/L	98
52) Ethylbenzene	10.23	91	725869	53.508	ug/L	100
53) m,p-Xylene	10.34	106	273278	53.624	ug/L	97
54) o-Xylene	10.68	106	266183	53.946	ug/L	97
55) Styrene	10.69	104	459455	55.196	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.25	83	216065	55.999	ug/L	98
59) Bromoform	10.84	173	114272	53.456	ug/L	99
60) Isopropylbenzene	11.00	105	714186	53.324	ug/L	100
61) 1,2,3-Trichloropropane	11.28	75	184849	54.990	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	601412	54.583	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	568280	54.529	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	312222	53.995	ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	309350	52.724	ug/L	97
67) 1,2-Dichlorobenzene	12.38	146	294391	52.580	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.98	75	47996	52.428	ug/L	98
69) 1,3,5-Trichlorobenzene	13.15	180	217904	53.807	ug/L	97
70) 1,2,4-trichlorobenzene	13.63	180	197009	52.783	ug/L	96
71) Naphthalene	13.82	128	662031	54.856	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	200228	54.822	ug/L	100

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

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