

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110520\
 Data File : VX019273.D
 Acq On : 04 Nov 2020 15:51
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTD050413

Quant Time: Nov 04 16:41:04 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	396472	50.00	ug/L	0.00
28) Chlorobenzene-d5	10.09	117	364934	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	187768	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	141824	41.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.10%
7) Chloroethane-d5	1.69	69	117229	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.52%
11) 1,1-Dichloroethene-d2	2.34	63	258303	45.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.74%
21) 2-Butanone-d5	4.53	46	191792	110.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.14%
24) Chloroform-d	5.14	84	261388	47.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	6.03	65	177048	44.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.66%
32) Benzene-d6	6.04	84	531135	46.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.76%
36) 1,2-Dichloropropane-d6	7.37	67	163551	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.80%
41) Toluene-d8	8.70	98	482855	41.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.96%
43) trans-1,3-Dichloropropene-	8.99	79	82544	46.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.06%
47) 2-Hexanone-d5	9.42	63	152288	110.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.22%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	227167	57.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	115.14%
66) 1,2-Dichlorobenzene-d4	12.36	152	186188	49.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.78%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.18	85	132601	52.767	ug/L	99
3) Chloromethane	1.31	50	131552	51.532	ug/L	99
5) Vinyl chloride	1.39	62	153188	53.236	ug/L	99
6) Bromomethane	1.64	94	101295	53.270	ug/L	99
8) Chloroethane	1.71	64	99907	55.711	ug/L	100
9) Trichlorofluoromethane	1.92	101	234792	54.998	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.37	101	136584	55.472	ug/L	98
12) 1,1-Dichloroethene	2.36	96	127032	53.166	ug/L	100
13) Acetone	2.42	43	115525	107.352	ug/L	98
14) Carbon disulfide	2.55	76	365592	50.701	ug/L	100
15) Methyl Acetate	2.75	43	130542	55.586	ug/L	99
16) Methylene chloride	2.83	84	142982	53.664	ug/L	99
17) trans-1,2-Dichloroethene	3.14	96	138258	53.826	ug/L	99
18) Methyl tert-butyl Ether	3.16	73	442055	54.441	ug/L	100
19) 1,1-Dichloroethane	3.67	63	248492	54.445	ug/L	99
20) cis-1,2-Dichloroethene	4.56	96	151155	53.577	ug/L	97
22) 2-Butanone	4.63	43	186621	109.808	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	75271	52.975	ug/L	91
25) Chloroform	5.17	83	273558	57.100	ug/L	97
27) 1,2-Dichloroethane	6.15	62	207373	54.976	ug/L	100
29) Cyclohexane	5.54	56	225330	53.641	ug/L	100
30) 1,1,1-Trichloroethane	5.46	97	236673	53.798	ug/L	100
31) Carbon tetrachloride	5.75	117	200446	53.033	ug/L	100
33) Benzene	6.11	78	572933	54.681	ug/L	100
34) Trichloroethene	7.18	95	152002	53.156	ug/L	99
35) Methylcyclohexane	7.43	83	240429	53.119	ug/L	99
37) 1,2-Dichloropropane	7.49	63	141706	54.452	ug/L	100
38) Bromodichloromethane	7.87	83	192744	53.256	ug/L	99
39) cis-1,3-Dichloropropene	8.41	75	230110	53.220	ug/L	99
40) 4-Methyl-2-pentanone	8.62	43	363395	114.177	ug/L	100
42) Toluene	8.76	91	614953	53.957	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	222963	52.931	ug/L	99
45) 1,1,2-Trichloroethane	9.20	97	138553	54.195	ug/L	99
46) Tetrachloroethene	9.32	164	112231	52.020	ug/L	97
48) 2-Hexanone	9.47	43	283401	113.000	ug/L	100
49) Dibromochloromethane	9.56	129	148662	53.160	ug/L	99
50) 1,2-Dibromoethane	9.65	107	145622	54.462	ug/L	96
51) Chlorobenzene	10.12	112	382790	54.011	ug/L	99
52) Ethylbenzene	10.23	91	673159	54.636	ug/L	99
53) m,p-Xylene	10.34	106	255417	55.183	ug/L	98
54) o-Xylene	10.68	106	246690	55.046	ug/L	98
55) Styrene	10.70	104	427212	56.507	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.25	83	212454	60.627	ug/L	99
59) Bromoform	10.84	173	103630	50.950	ug/L	99
60) Isopropylbenzene	11.00	105	666124	52.272	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	174694	54.620	ug/L	99
62) 1,3,5-Trimethylbenzene	11.49	105	548427	52.313	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	525138	52.959	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	296308	53.856	ug/L	98
65) 1,4-Dichlorobenzene	12.08	146	303514	54.368	ug/L	98
67) 1,2-Dichlorobenzene	12.37	146	288248	54.108	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.98	75	47814	54.893	ug/L	97
69) 1,3,5-Trichlorobenzene	13.15	180	208306	54.061	ug/L	98
70) 1,2,4-trichlorobenzene	13.63	180	187406	52.771	ug/L	98
71) Naphthalene	13.82	128	638255	55.583	ug/L	99
72) 1,2,3-Trichlorobenzene	14.00	180	190344	54.774	ug/L	99

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

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