

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102319\
 Data File : VV013305.D
 Acq On : 23 Oct 2019 19:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00ML/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Quant Time: Oct 24 03:09:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 24 02:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1271906	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	1208008	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	650902	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	368630	43.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.44%
7) Chloroethane-d5	1.58	69	299322	45.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.98%
11) 1,1-Dichloroethene-d2	2.13	63	584818	47.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.80%
21) 2-Butanone-d5	3.95	46	496946	87.97	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.97%
24) Chloroform-d	4.40	84	837875	46.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.24%
26) 1,2-Dichloroethane-d4	5.08	65	501800	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.02%
32) Benzene-d6	5.10	84	1729795	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.02%
36) 1,2-Dichloropropane-d6	6.12	67	527564	45.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.62%
41) Toluene-d8	7.36	98	1601035	47.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.50%
43) trans-1,3-Dichloropropene-	7.66	79	239924	47.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.42%
47) 2-Hexanone-d5	8.13	63	341629	97.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	705825	46.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.74%
64) 1,2-Dichlorobenzene-d4	11.67	152	676918	45.32	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	499944	45.717	ug/L	99
3) Chloromethane	1.25	50	386800	46.939	ug/L	100
5) Vinyl chloride	1.32	62	400574	47.111	ug/L	98
6) Bromomethane	1.53	94	226722	52.016	ug/L	97
8) Chloroethane	1.60	64	225599	47.219	ug/L	98
9) Trichlorofluoromethane	1.77	101	559461	47.312	ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	323120	48.344	ug/L	98
12) 1,1-Dichloroethene	2.14	96	310130	48.163	ug/L	89
13) Acetone	2.21	43	283722	67.965	ug/L	96
14) Carbon disulfide	2.32	76	1075072	48.192	ug/L	99
15) Methyl Acetate	2.47	43	422239	48.596	ug/L	97
16) Methylene chloride	2.53	84	450733	47.092	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	419705	47.224	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	1262284	49.030	ug/L	100
19) 1,1-Dichloroethane	3.23	63	767508	47.798	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	466209	48.403	ug/L	100
22) 2-Butanone	4.03	43	532550	88.969	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	245428	47.082	ug/L	98
25) Chloroform	4.42	83	790298	48.094	ug/L	98
27) 1,2-Dichloroethane	5.18	62	575051	48.018	ug/L	100
29) Cyclohexane	4.72	56	678557	48.476	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	660097	47.216	ug/L	99
31) Carbon tetrachloride	4.87	117	601287	47.704	ug/L	100
33) Benzene	5.14	78	1772980	48.321	ug/L	100
34) Trichloroethene	5.96	95	458638	47.743	ug/L	98
35) Methylcyclohexane	6.17	83	716145	49.048	ug/L	100
37) 1,2-Dichloropropane	6.22	63	449365	48.622	ug/L	100
38) Bromodichloromethane	6.55	83	582888	47.890	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	683411	49.460	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1127149	98.140	ug/L	100
42) Toluene	7.43	91	1882987	50.058	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	581995	49.249	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	437166	48.045	ug/L	99
46) Tetrachloroethene	8.02	164	409659	47.813	ug/L	98
48) 2-Hexanone	8.18	43	807929	86.664	ug/L	90
49) Dibromochloromethane	8.29	129	503130	48.808	ug/L	99
50) 1,2-Dibromoethane	8.39	107	467293	48.330	ug/L	99
51) Chlorobenzene	8.92	112	1237565	48.382	ug/L	98
52) Ethylbenzene	9.05	91	2013801	50.675	ug/L	98
53) m,p-Xylene	9.18	106	794304	51.465	ug/L	100
54) o-xylene	9.58	106	779209	51.771	ug/L	99
55) Styrene	9.60	104	1346420	52.746	ug/L	99
56) Isopropylbenzene	9.97	105	2020216	52.533	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	678492	48.431	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	552664	47.941	ug/L	100
61) Bromoform	9.77	173	391401	46.071	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	1004387	47.796	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	1014553	46.480	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1021147	47.136	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	140846	46.350	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	780690	49.330	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	673621	50.715	ug/L	99
69) Naphthalene	13.55	128	1927629	53.592	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	742228	52.162	ug/L	98

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

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