

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092420\
 Data File : VV018417.D
 Acq On : 24 Sep 2020 10:27
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05085

Quant Time: Sep 25 04:37:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 23 16:54:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	327808	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	319285	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	178365	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	121029	45.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.60%
7) Chloroethane-d5	1.58	69	95473	43.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.34%
11) 1,1-Dichloroethene-d2	2.12	63	214590	43.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.58%
21) 2-Butanone-d5	3.92	46	140814	86.12	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.12%
24) Chloroform-d	4.38	84	203544	43.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.82%
26) 1,2-Dichloroethane-d4	5.06	65	127570	42.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.88%
32) Benzene-d6	5.08	84	406798	44.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.02%
36) 1,2-Dichloropropane-d6	6.09	67	127008	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.46%
41) Toluene-d8	7.34	98	381936	45.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.70%
43) trans-1,3-Dichloropropene-	7.64	79	67038	45.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.84%
47) 2-Hexanone-d5	8.11	63	97582	88.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	160922	44.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.30%
64) 1,2-Dichlorobenzene-d4	11.65	152	158138	43.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.34%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	97429	40.760	ug/L 99
3) Chloromethane	1.25	50	107382	41.141	ug/L 100
5) Vinyl chloride	1.32	62	111539	41.673	ug/L 100
6) Bromomethane	1.53	94	72057	44.046	ug/L 100
8) Chloroethane	1.60	64	72376	43.166	ug/L 100
9) Trichlorofluoromethane	1.77	101	160523	43.589	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	99491	44.977	ug/L 99
12) 1,1-Dichloroethene	2.13	96	92986	43.202	ug/L 92
13) Acetone	2.21	43	137644	105.122	ug/L 99
14) Carbon disulfide	2.31	76	265120	40.254	ug/L 99
15) Methyl Acetate	2.45	43	101397	43.091	ug/L 98
16) Methylene chloride	2.52	84	104478	43.282	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	95920	43.243	ug/L 100
18) Methyl tert-butyl Ether	2.79	73	307861	44.867	ug/L 99
19) 1,1-Dichloroethane	3.21	63	183858	43.839	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	106192	44.784	ug/L 99
22) 2-Butanone	4.01	43	156143	100.706	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	55426	44.676	ug/L	100
25) Chloroform	4.40	83	186451	43.736	ug/L	98
27) 1,2-Dichloroethane	5.16	62	144153	43.679	ug/L	98
29) Cyclohexane	4.70	56	167644	45.470	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	165356	44.625	ug/L	100
31) Carbon tetrachloride	4.86	117	143385	44.007	ug/L	99
33) Benzene	5.13	78	407285	44.616	ug/L	100
34) Trichloroethene	5.94	95	111421	44.805	ug/L	98
35) Methylcyclohexane	6.15	83	172009	45.940	ug/L	100
37) 1,2-Dichloropropane	6.20	63	108622	44.904	ug/L	100
38) Bromodichloromethane	6.53	83	139740	44.391	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	170930	45.861	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	269567	91.857	ug/L	99
42) Toluene	7.41	91	442271	45.781	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	167307	46.104	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	100930	45.016	ug/L	99
46) Tetrachloroethene	8.00	164	88907	45.598	ug/L	99
48) 2-Hexanone	8.16	43	224544	97.053	ug/L	99
49) Dibromochloromethane	8.27	129	115290	45.810	ug/L	97
50) 1,2-Dibromoethane	8.37	107	106705	45.219	ug/L	97
51) Chlorobenzene	8.90	112	283580	45.200	ug/L	100
52) Ethylbenzene	9.03	91	489590	46.419	ug/L	100
53) m,p-Xylene	9.16	106	185604	47.147	ug/L	96
54) o-xylene	9.56	106	179247	47.262	ug/L	100
55) Styrene	9.58	104	315734	47.896	ug/L	99
56) Isopropylbenzene	9.95	105	489464	47.886	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	153022	46.138	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	128873	45.295	ug/L	100
61) Bromoform	9.75	173	85111	44.418	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	241751	45.581	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	247857	45.465	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	239698	44.712	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33617	44.437	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	193688	46.323	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	178379	47.907	ug/L	99
69) Naphthalene	13.52	128	489326	51.937	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	179339	48.902	ug/L	100

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

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