

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091620\
 Data File : VV018267.D
 Acq On : 17 Sep 2020 03:50
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05074

Quant Time: Sep 17 05:37:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 17 05:33:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	306733	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	304130	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	166193	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102071	40.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.66%
7) Chloroethane-d5	1.58	69	84487	41.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	2.12	63	196592	42.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.74%
21) 2-Butanone-d5	3.91	46	128231	83.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.81%
24) Chloroform-d	4.38	84	187477	43.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.46%
26) 1,2-Dichloroethane-d4	5.06	65	119242	42.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.78%
32) Benzene-d6	5.08	84	368079	42.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.56%
36) 1,2-Dichloropropane-d6	6.09	67	115863	41.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.76%
41) Toluene-d8	7.34	98	344479	43.41	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.82%
43) trans-1,3-Dichloropropene-	7.64	79	57274	40.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.48%
47) 2-Hexanone-d5	8.11	63	95679	91.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.31%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	156905	45.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	143881	42.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	100330	44.857	ug/L	99
3) Chloromethane	1.25	50	112861	46.211	ug/L	99
5) Vinyl chloride	1.32	62	112841	45.056	ug/L	100
6) Bromomethane	1.53	94	69474	45.385	ug/L	100
8) Chloroethane	1.60	64	72898	46.465	ug/L	100
9) Trichlorofluoromethane	1.77	101	157921	45.829	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	95953	46.358	ug/L	99
12) 1,1-Dichloroethene	2.13	96	91914	45.638	ug/L	94
13) Acetone	2.19	43	90760	74.078	ug/L	97
14) Carbon disulfide	2.31	76	272567	44.228	ug/L	100
15) Methyl Acetate	2.45	43	100803	45.782	ug/L	100
16) Methylene chloride	2.52	84	103274	45.722	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	95132	45.834	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	293639	45.734	ug/L	100
19) 1,1-Dichloroethane	3.21	63	181805	46.328	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	102177	46.052	ug/L	98
22) 2-Butanone	4.00	43	130629	90.039	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	54018	46.532	ug/L	99
25) Chloroform	4.40	83	183933	46.109	ug/L	100
27) 1,2-Dichloroethane	5.16	62	144972	46.945	ug/L	99
29) Cyclohexane	4.70	56	160921	45.822	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	160625	45.509	ug/L	99
31) Carbon tetrachloride	4.86	117	141653	45.642	ug/L	98
33) Benzene	5.13	78	403450	46.398	ug/L	100
34) Trichloroethene	5.94	95	103218	43.575	ug/L	99
35) Methylcyclohexane	6.16	83	163043	45.715	ug/L	99
37) 1,2-Dichloropropane	6.20	63	107992	46.868	ug/L	100
38) Bromodichloromethane	6.53	83	136031	45.366	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	156781	44.161	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	262313	93.839	ug/L	100
42) Toluene	7.41	91	434084	47.172	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	153693	44.462	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	100316	46.971	ug/L	99
46) Tetrachloroethene	8.00	164	85310	45.933	ug/L	99
48) 2-Hexanone	8.16	43	201914	91.621	ug/L	99
49) Dibromochloromethane	8.27	129	111359	46.452	ug/L	100
50) 1,2-Dibromoethane	8.37	107	105079	46.749	ug/L	98
51) Chlorobenzene	8.90	112	277765	46.479	ug/L	99
52) Ethylbenzene	9.03	91	475119	47.292	ug/L	100
53) m,p-Xylene	9.16	106	181015	48.272	ug/L	98
54) o-xylene	9.57	106	171877	47.577	ug/L	100
55) Styrene	9.58	104	309176	49.239	ug/L	100
56) Isopropylbenzene	9.95	105	466596	47.924	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	158524	50.179	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	128956	47.583	ug/L	99
61) Bromoform	9.75	173	82422	46.165	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	229171	46.373	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	235545	46.371	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	229986	46.042	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	34536	48.995	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	175958	45.164	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	161213	46.468	ug/L	99
69) Naphthalene	13.52	128	469757	53.512	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	166252	48.654	ug/L	100

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

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