

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091520\
 Data File : VV018226.D
 Acq On : 15 Sep 2020 16:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Quant Time: Sep 16 05:47:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 16 05:45:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	290832	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	288915	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95487	40.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.58%
7) Chloroethane-d5	1.58	69	86486	44.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.18%
11) 1,1-Dichloroethene-d2	2.13	63	200299	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
21) 2-Butanone-d5	3.91	46	144530	99.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.63%
24) Chloroform-d	4.38	84	202953	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.70%
26) 1,2-Dichloroethane-d4	5.06	65	126362	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
32) Benzene-d6	5.08	84	377380	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
36) 1,2-Dichloropropane-d6	6.09	67	122023	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.86%
41) Toluene-d8	7.34	98	349433	46.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.72%
43) trans-1,3-Dichloropropene-	7.64	79	63216	47.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.68%
47) 2-Hexanone-d5	8.11	63	111474	111.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.98%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	176592	53.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	155746	46.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	115671	54.543	ug/L 99
3) Chloromethane	1.25	50	125518	54.203	ug/L 99
5) Vinyl chloride	1.32	62	127499	53.692	ug/L 99
6) Bromomethane	1.53	94	78457	54.055	ug/L 99
8) Chloroethane	1.60	64	79796	53.643	ug/L 100
9) Trichlorofluoromethane	1.77	101	179086	54.813	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109961	56.030	ug/L 100
12) 1,1-Dichloroethene	2.14	96	105121	55.049	ug/L 92
13) Acetone	2.19	43	118114	101.675	ug/L 98
14) Carbon disulfide	2.31	76	307085	52.554	ug/L 99
15) Methyl Acetate	2.45	43	106840	51.177	ug/L 100
16) Methylene chloride	2.52	84	114590	53.506	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	106381	54.056	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	322443	52.966	ug/L 100
19) 1,1-Dichloroethane	3.21	63	200984	54.015	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	114543	54.448	ug/L 98
22) 2-Butanone	3.99	43	152351	110.753	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	59650	54.193	ug/L	98
25) Chloroform	4.40	83	202674	53.585	ug/L	99
27) 1,2-Dichloroethane	5.15	62	157099	53.653	ug/L	99
29) Cyclohexane	4.70	56	183306	54.944	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	179326	53.483	ug/L	100
31) Carbon tetrachloride	4.86	117	157139	53.298	ug/L	98
33) Benzene	5.13	78	443763	53.722	ug/L	100
34) Trichloroethene	5.94	95	114228	50.763	ug/L	98
35) Methylcyclohexane	6.15	83	189583	55.956	ug/L	100
37) 1,2-Dichloropropane	6.20	63	118715	54.235	ug/L	100
38) Bromodichloromethane	6.53	83	149730	52.564	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	183744	54.481	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	285214	107.405	ug/L	100
42) Toluene	7.41	91	482997	55.252	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	180808	55.061	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	110877	54.650	ug/L	99
46) Tetrachloroethene	8.00	164	97690	55.369	ug/L	99
48) 2-Hexanone	8.16	43	225799	107.854	ug/L	100
49) Dibromochloromethane	8.27	129	122283	53.696	ug/L	98
50) 1,2-Dibromoethane	8.37	107	115305	54.000	ug/L	99
51) Chlorobenzene	8.90	112	310651	54.719	ug/L	100
52) Ethylbenzene	9.03	91	536246	56.188	ug/L	100
53) m,p-Xylene	9.16	106	200824	56.375	ug/L	98
54) o-xylene	9.56	106	194137	56.569	ug/L	100
55) Styrene	9.58	104	345943	57.995	ug/L	99
56) Isopropylbenzene	9.95	105	527706	57.054	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	174780	58.238	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	138190	53.675	ug/L	100
61) Bromoform	9.75	173	92074	52.999	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	261810	54.445	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	268899	54.404	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	257189	52.914	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	37662	54.910	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	206080	54.361	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	187777	55.624	ug/L	99
69) Naphthalene	13.52	128	522311	61.147	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	186515	56.095	ug/L	99

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

