

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111320\
 Data File : VV019378.D
 Acq On : 13 Nov 2020 15:31
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05098

Quant Time: Nov 16 14:55:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM111220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 16 13:41:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	229557	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	232754	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	142271	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77485	44.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.56%
7) Chloroethane-d5	1.58	69	65203	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.74%
11) 1,1-Dichloroethene-d2	2.12	63	163709	45.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.96%
21) 2-Butanone-d5	3.91	46	87152	97.67	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.67%
24) Chloroform-d	4.37	84	157018	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
26) 1,2-Dichloroethane-d4	5.05	65	103844	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
32) Benzene-d6	5.07	84	269310	44.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.74%
36) 1,2-Dichloropropane-d6	6.09	67	76578	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.92%
41) Toluene-d8	7.33	98	269685	45.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.94%
43) trans-1,3-Dichloropropene-	7.64	79	48942	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
47) 2-Hexanone-d5	8.11	63	63820	102.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.13%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	113730	49.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	127457	46.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	99864	51.880	ug/L	98
3) Chloromethane	1.25	50	91058	52.942	ug/L	99
5) Vinyl chloride	1.32	62	94716	51.085	ug/L	99
6) Bromomethane	1.53	94	66752	50.352	ug/L	100
8) Chloroethane	1.60	64	59409	50.812	ug/L	98
9) Trichlorofluoromethane	1.76	101	168858	50.770	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	80782	53.290	ug/L	99
12) 1,1-Dichloroethene	2.13	96	78900	50.995	ug/L	96
13) Acetone	2.19	43	74152	97.566	ug/L	96
14) Carbon disulfide	2.31	76	208149	48.654	ug/L	99
15) Methyl Acetate	2.45	43	65816	51.294	ug/L	98
16) Methylene chloride	2.52	84	77769	50.056	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	74329	49.943	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	239522	50.093	ug/L	99
19) 1,1-Dichloroethane	3.21	63	129347	50.124	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	80450	51.064	ug/L	100
22) 2-Butanone	3.99	43	90139	103.426	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	46403	51.071	ug/L	95
25) Chloroform	4.40	83	150779	50.236	ug/L	96
27) 1,2-Dichloroethane	5.15	62	125325	49.290	ug/L	100
29) Cyclohexane	4.70	56	100019	49.719	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	148739	48.648	ug/L	99
31) Carbon tetrachloride	4.86	117	134217	48.747	ug/L	99
33) Benzene	5.12	78	292914	49.888	ug/L	100
34) Trichloroethene	5.94	95	87132	49.205	ug/L	97
35) Methylcyclohexane	6.15	83	107862	49.287	ug/L	99
37) 1,2-Dichloropropane	6.20	63	71390	50.027	ug/L	100
38) Bromodichloromethane	6.53	83	115891	49.961	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	126581	51.738	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	183634	101.985	ug/L	99
42) Toluene	7.41	91	336991	51.023	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	131419	50.430	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	77761	50.237	ug/L	99
46) Tetrachloroethene	8.00	164	78964	50.623	ug/L	96
48) 2-Hexanone	8.16	43	144912	102.691	ug/L	98
49) Dibromochloromethane	8.27	129	100818	50.752	ug/L	98
50) 1,2-Dibromoethane	8.37	107	85555	50.520	ug/L	95
51) Chlorobenzene	8.90	112	226492	49.865	ug/L	99
52) Ethylbenzene	9.03	91	376446	50.964	ug/L	100
53) m,p-Xylene	9.16	106	146036	51.057	ug/L	98
54) o-xylene	9.56	106	141404	51.122	ug/L	98
55) Styrene	9.58	104	259862	53.124	ug/L	97
56) Isopropylbenzene	9.95	105	385302	51.879	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	109624	51.829	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	97933	50.252	ug/L	99
61) Bromoform	9.75	173	79864	49.306	ug/L	97
62) 1,3-Dichlorobenzene	11.20	146	204934	51.269	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	209037	49.991	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	203000	50.193	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	29966	51.296	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	153829	50.200	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	140136	50.835	ug/L	99
69) Naphthalene	13.52	128	326630	50.172	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	142749	51.462	ug/L	99

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

