

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020420\
 Data File : VW014852.D
 Acq On : 04 Feb 2020 09:36
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Feb 05 03:39:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 04 16:33:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	883195	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	795269	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	374617	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	385572	27.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.48%
7) Chloroethane-d5	2.89	69	296492	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
10) 1,1-Dichloroethene-d2	4.02	63	676039	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.04%
20) 2-Butanone-d5	7.07	46	217234	41.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.56%
24) Chloroform-d	7.65	84	605687	21.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.16%
26) 1,2-Dichloroethane-d4	8.30	65	339647	21.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.96%
29) Benzene-d6	8.27	84	1258710	22.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.80%
33) 1,2-Dichloropropane-d6	9.27	67	403552	21.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.84%
37) Toluene-d8	10.32	98	1118462	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.44%
38) trans-1,3-Dichloropropene-	10.57	79	163605	22.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.96%
39) 2-Hexanone-d5	10.92	63	166993	46.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	316209	22.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	341560	21.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	222033	19.962	ug/L	98
3) Chloromethane	2.21	50	332701	21.821	ug/L	100
5) Vinyl chloride	2.37	62	451843	29.482	ug/L	98
6) Bromomethane	2.78	94	216935	24.188	ug/L	99
8) Chloroethane	2.93	64	243485	24.469	ug/L	100
9) Trichlorofluoromethane	3.26	101	189502	21.238	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	330595	24.173	ug/L	99
12) 1,1-Dichloroethene	4.04	96	317116	24.586	ug/L	96
13) Acetone	4.12	43	205496	36.548	ug/L	98
14) Carbon disulfide	4.38	76	957568	24.460	ug/L	99
15) Methyl Acetate	4.67	43	194601	23.126	ug/L	99
16) Methylene chloride	4.92	84	336353	20.625	ug/L	97
17) Methyl tert-butyl Ether	5.42	73	395763	24.178	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	313891	23.714	ug/L	98
19) 1,1-Dichloroethane	6.21	63	628055	23.368	ug/L	97
21) 2-Butanone	7.17	43	263614	43.690	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	331680	24.243	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	138589	23.689	ug/L	94
25) Chloroform	7.67	83	575106	23.438	ug/L	100
27) 1,2-Dichloroethane	8.40	62	398955	23.272	ug/L	98
30) Cyclohexane	7.95	56	617120	25.675	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	442736	23.723	ug/L	99
32) Carbon tetrachloride	8.07	117	406848	23.998	ug/L	99
34) Benzene	8.32	78	1351826	24.275	ug/L	100
35) Trichloroethene	9.09	95	330758	24.050	ug/L	99
36) Methylcyclohexane	9.34	83	612748	25.439	ug/L	97
40) 1,2-Dichloropropane	9.37	63	354228	23.586	ug/L	99
41) Bromodichloromethane	9.64	83	408189	23.718	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	512128	24.497	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	522620	47.391	ug/L	99
44) Toluene	10.38	91	1381335	24.793	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	423744	24.632	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	242855	24.436	ug/L	98
47) Tetrachloroethene	10.86	164	245848	23.962	ug/L	97
49) 2-Hexanone	10.96	43	379143	49.827	ug/L	98
50) Dibromochloromethane	11.13	129	258288	24.174	ug/L	97
51) 1,2-Dibromoethane	11.23	107	226067	24.192	ug/L	96
52) Chlorobenzene	11.65	112	815749	24.000	ug/L	98
53) Ethylbenzene	11.73	91	1505317	24.936	ug/L	100
54) m,p-Xylene	11.84	106	556985	25.213	ug/L	97
55) o-xylene	12.16	106	527023	25.608	ug/L	98
56) Styrene	12.18	104	904522	25.810	ug/L	99
57) Isopropylbenzene	12.46	105	1442131	25.913	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	314799	24.129	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	239569	23.986	ug/L	98
62) Bromoform	12.35	173	142143	22.955	ug/L	97
63) 1,3-Dichlorobenzene	13.49	146	607095	24.162	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	612023	24.165	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	558665	24.422	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	50793	22.749	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	440789	24.759	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	354136	25.461	ug/L	98
69) Naphthalene	15.36	128	781779	27.703	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	336617	26.188	ug/L	99

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

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