

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121319\
 Data File : VW014360.D
 Acq On : 13 Dec 2019 19:53
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02519

Quant Time: Dec 14 04:33:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 14 04:28:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1163171	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1057212	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	523186	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	335447	19.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.16%
7) Chloroethane-d5	2.88	69	283493	21.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.60%
10) 1,1-Dichloroethene-d2	4.02	63	684899	22.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.04%
20) 2-Butanone-d5	7.07	46	226286	49.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.60%
24) Chloroform-d	7.65	84	708759	23.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	8.30	65	374396	24.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.44%
29) Benzene-d6	8.27	84	1438432	23.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.88%
33) 1,2-Dichloropropane-d6	9.27	67	447745	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
37) Toluene-d8	10.32	98	1292059	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.24%
38) trans-1,3-Dichloropropene-	10.57	79	177541	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.80%
39) 2-Hexanone-d5	10.92	63	179847	47.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	362559	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	437456	21.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	241231	21.805	ug/L 99
3) Chloromethane	2.21	50	237661	21.369	ug/L 97
5) Vinyl chloride	2.36	62	398811	24.219	ug/L 95
6) Bromomethane	2.78	94	233898	23.028	ug/L 98
8) Chloroethane	2.92	64	231592	24.617	ug/L 96
9) Trichlorofluoromethane	3.25	101	189117	23.199	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	377676	24.617	ug/L 94
12) 1,1-Dichloroethene	4.04	96	366338	23.585	ug/L 83
13) Acetone	4.12	43	178245	40.278	ug/L 99
14) Carbon disulfide	4.38	76	1078296	22.635	ug/L 100
15) Methyl Acetate	4.67	43	191798	22.913	ug/L 97
16) Methylene chloride	4.92	84	422227	23.679	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	480890	23.477	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	391442	23.532	ug/L 88
19) 1,1-Dichloroethane	6.21	63	729886	24.422	ug/L 98
21) 2-Butanone	7.16	43	267151	44.965	ug/L 96
22) cis-1,2-Dichloroethene	7.16	96	425538	24.042	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	184638	22.678	ug/L #	80
25) Chloroform	7.67	83	709901	24.445	ug/L	99
27) 1,2-Dichloroethane	8.40	62	458762	24.124	ug/L	96
30) Cyclohexane	7.95	56	683905	25.917	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	538807	25.377	ug/L	97
32) Carbon tetrachloride	8.07	117	502407	24.939	ug/L	99
34) Benzene	8.32	78	1648707	24.630	ug/L	100
35) Trichloroethene	9.09	95	410998	23.997	ug/L	95
36) Methylcyclohexane	9.33	83	722839	25.115	ug/L	96
40) 1,2-Dichloropropane	9.37	63	418486	24.334	ug/L	99
41) Bromodichloromethane	9.64	83	505941	24.208	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	622705	24.179	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	547575	48.286	ug/L	98
44) Toluene	10.38	91	1741716	24.818	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	493166	23.656	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	294332	22.840	ug/L	96
47) Tetrachloroethene	10.86	164	339009	23.748	ug/L	97
49) 2-Hexanone	10.97	43	372480	46.136	ug/L	98
50) Dibromochloromethane	11.12	129	335572	23.202	ug/L	98
51) 1,2-Dibromoethane	11.23	107	275508	22.571	ug/L #	98
52) Chlorobenzene	11.66	112	1074779	23.696	ug/L	96
53) Ethylbenzene	11.73	91	1911817	25.106	ug/L	99
54) m,p-Xylene	11.83	106	727879	24.848	ug/L	99
55) o-xylene	12.16	106	692992	24.942	ug/L	99
56) Styrene	12.18	104	1206565	25.384	ug/L	98
57) Isopropylbenzene	12.46	105	1849388	25.639	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	364504	22.789	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	268129	22.560	ug/L	100
62) Bromoform	12.35	173	193466	21.788	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	839986	23.887	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	825018	23.092	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	757805	23.173	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	54492	21.601	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.63	180	617971	24.425	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	476850	24.177	ug/L	98
69) Naphthalene	15.36	128	868152	23.406	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	437210	23.638	ug/L	99

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

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