

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121919\
 Data File : VW014466.D
 Acq On : 19 Dec 2019 19:10
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02529

Quant Time: Dec 20 01:16:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 20 01:12:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1019186	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	912604	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	449015	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	295428	19.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.56%
7) Chloroethane-d5	2.89	69	269374	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
10) 1,1-Dichloroethene-d2	4.03	63	635486	23.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.24%
20) 2-Butanone-d5	7.07	46	203767	50.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.34%
24) Chloroform-d	7.65	84	691065	26.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.52%
26) 1,2-Dichloroethane-d4	8.30	65	351153	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.24%
29) Benzene-d6	8.27	84	1363770	25.50	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.00%
33) 1,2-Dichloropropane-d6	9.27	67	431866	26.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.96%
37) Toluene-d8	10.32	98	1208024	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.92%
38) trans-1,3-Dichloropropene-	10.58	79	164065	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.04%
39) 2-Hexanone-d5	10.92	63	163493	49.97	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	334104	24.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	424443	24.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	218416	22.532	ug/L 93
3) Chloromethane	2.21	50	232073	23.815	ug/L 99
5) Vinyl chloride	2.36	62	390404	27.058	ug/L 97
6) Bromomethane	2.78	94	224420	25.216	ug/L 99
8) Chloroethane	2.92	64	228843	27.761	ug/L 97
9) Trichlorofluoromethane	3.25	101	197539	27.655	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	367154	27.312	ug/L 93
12) 1,1-Dichloroethene	4.04	96	350740	25.771	ug/L 92
13) Acetone	4.12	43	140149	36.143	ug/L 98
14) Carbon disulfide	4.38	76	1007102	24.127	ug/L 99
15) Methyl Acetate	4.67	43	155026	21.137	ug/L 98
16) Methylene chloride	4.92	84	393096	25.160	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	441845	24.618	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	365533	25.079	ug/L 91
19) 1,1-Dichloroethane	6.21	63	693915	26.499	ug/L 99
21) 2-Butanone	7.16	43	203588	39.107	ug/L 98
22) cis-1,2-Dichloroethene	7.16	96	392061	25.280	ug/L 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	164155	23.011	ug/L	84
25) Chloroform	7.67	83	669393	26.306	ug/L	99
27) 1,2-Dichloroethane	8.40	62	414171	24.856	ug/L	96
30) Cyclohexane	7.95	56	648262	28.459	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	524902	28.640	ug/L	97
32) Carbon tetrachloride	8.07	117	485393	27.912	ug/L	100
34) Benzene	8.32	78	1558200	26.966	ug/L	100
35) Trichloroethene	9.09	95	387775	26.228	ug/L	94
36) Methylcyclohexane	9.34	83	683024	27.493	ug/L	95
40) 1,2-Dichloropropane	9.37	63	391517	26.374	ug/L	99
41) Bromodichloromethane	9.64	83	464172	25.729	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	570631	25.668	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	448494	45.816	ug/L	97
44) Toluene	10.38	91	1643904	27.136	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	450302	25.023	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	261175	23.478	ug/L	97
47) Tetrachloroethene	10.86	164	319919	25.962	ug/L	98
49) 2-Hexanone	10.97	43	307718	44.154	ug/L	98
50) Dibromochloromethane	11.13	129	295518	23.670	ug/L	100
51) 1,2-Dibromoethane	11.23	107	238415	22.627	ug/L #	96
52) Chlorobenzene	11.66	112	994989	25.413	ug/L	95
53) Ethylbenzene	11.73	91	1797096	27.339	ug/L	99
54) m,p-Xylene	11.84	106	686114	27.134	ug/L	99
55) o-xylene	12.16	106	643347	26.824	ug/L	99
56) Styrene	12.18	104	1103481	26.894	ug/L	94
57) Isopropylbenzene	12.46	105	1750137	28.108	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	312616	22.642	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	229112	22.332	ug/L	99
62) Bromoform	12.35	173	164547	21.592	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	773362	25.625	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	769607	25.099	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	692416	24.672	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	45420	20.979	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.63	180	584750	26.930	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	438365	25.897	ug/L	99
69) Naphthalene	15.36	128	732019	22.996	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	398217	25.087	ug/L	99

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

