

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120919\
 Data File : VW014260.D
 Acq On : 09 Dec 2019 10:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Dec 10 07:31:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 09 13:05:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1353732	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1195711	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	577925	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	456237	22.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.04%
7) Chloroethane-d5	2.89	69	362428	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.12%
10) 1,1-Dichloroethene-d2	4.01	63	855262	23.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.48%
20) 2-Butanone-d5	7.07	46	248793	46.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.14%
24) Chloroform-d	7.64	84	822530	23.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.44%
26) 1,2-Dichloroethane-d4	8.30	65	423081	23.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.64%
29) Benzene-d6	8.27	84	1729420	24.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.72%
33) 1,2-Dichloropropane-d6	9.27	67	523898	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.20%
37) Toluene-d8	10.32	98	1566898	24.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.92%
38) trans-1,3-Dichloropropene-	10.57	79	217090	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.00%
39) 2-Hexanone-d5	10.92	63	194122	45.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.56%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	397914	22.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	515265	23.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	310346	24.104	ug/L	98
3) Chloromethane	2.21	50	299126	23.110	ug/L	98
5) Vinyl chloride	2.36	62	448251	23.389	ug/L	94
6) Bromomethane	2.78	94	269545	22.802	ug/L	99
8) Chloroethane	2.92	64	259319	23.684	ug/L	93
9) Trichlorofluoromethane	3.25	101	249622	26.310	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	402369	22.534	ug/L	94
12) 1,1-Dichloroethene	4.04	96	415003	22.957	ug/L	86
13) Acetone	4.11	43	290852	56.472	ug/L	98
14) Carbon disulfide	4.38	76	1274219	22.982	ug/L	100
15) Methyl Acetate	4.66	43	205466	21.091	ug/L	98
16) Methylene chloride	4.91	84	430015	20.721	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	511702	21.465	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	439769	22.716	ug/L	94
19) 1,1-Dichloroethane	6.21	63	787267	22.634	ug/L	99
21) 2-Butanone	7.16	43	337049	48.744	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	465693	22.607	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	195640	20.647	ug/L	82
25) Chloroform	7.67	83	752309	22.258	ug/L	99
27) 1,2-Dichloroethane	8.40	62	478410	21.616	ug/L	96
30) Cyclohexane	7.95	56	757072	25.367	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	587321	24.458	ug/L	98
32) Carbon tetrachloride	8.06	117	552036	24.228	ug/L	100
34) Benzene	8.32	78	1778970	23.497	ug/L	100
35) Trichloroethene	9.09	95	451219	23.293	ug/L	95
36) Methylcyclohexane	9.33	83	794112	24.396	ug/L	96
40) 1,2-Dichloropropane	9.37	63	444701	22.864	ug/L	99
41) Bromodichloromethane	9.64	83	528595	22.363	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	674694	23.163	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	560920	43.734	ug/L	98
44) Toluene	10.38	91	1863972	23.484	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	534980	22.689	ug/L	96
46) 1,1,2-Trichloroethane	10.78	97	307513	21.099	ug/L	97
47) Tetrachloroethene	10.86	164	372241	23.055	ug/L	99
49) 2-Hexanone	10.96	43	422285	46.246	ug/L	99
50) Dibromochloromethane	11.13	129	357067	21.828	ug/L	100
51) 1,2-Dibromoethane	11.23	107	293908	21.289	ug/L	99
52) Chlorobenzene	11.65	112	1151896	22.455	ug/L	94
53) Ethylbenzene	11.73	91	2026982	23.535	ug/L	98
54) m,p-Xylene	11.83	106	775391	23.404	ug/L	96
55) o-xylene	12.16	106	736730	23.445	ug/L	97
56) Styrene	12.18	104	1256109	23.365	ug/L	97
57) Isopropylbenzene	12.46	105	1965691	24.095	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	375518	20.758	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	279186	20.769	ug/L	99
62) Bromoform	12.35	173	206316	21.034	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	886640	22.826	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	882268	22.355	ug/L	96
65) 1,2-Dichlorobenzene	13.86	146	792984	21.952	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	57879	20.771	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.63	180	643429	23.023	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	503236	23.098	ug/L	99
69) Naphthalene	15.36	128	919341	22.439	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	448274	21.941	ug/L	98

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

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