

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121319\
 Data File : VW014341.D
 Acq On : 13 Dec 2019 10:11
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02518

Quant Time: Dec 14 04:25:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 13 17:15:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1083968	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	949681	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	430326	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	380506	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.72%
7) Chloroethane-d5	2.88	69	318448	26.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.36%
10) 1,1-Dichloroethene-d2	4.01	63	743666	25.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.60%
20) 2-Butanone-d5	7.07	46	221284	51.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.46%
24) Chloroform-d	7.64	84	733732	26.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.36%
26) 1,2-Dichloroethane-d4	8.30	65	368518	25.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.88%
29) Benzene-d6	8.27	84	1512960	27.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.72%
33) 1,2-Dichloropropane-d6	9.27	67	463944	27.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.36%
37) Toluene-d8	10.32	98	1355671	26.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.76%
38) trans-1,3-Dichloropropene-	10.57	79	178755	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.52%
39) 2-Hexanone-d5	10.92	63	165982	48.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	338807	24.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	428769	26.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	236294	22.920	ug/L 100
3) Chloromethane	2.21	50	249618	24.085	ug/L 95
5) Vinyl chloride	2.35	62	404365	26.350	ug/L 95
6) Bromomethane	2.77	94	235999	24.932	ug/L 99
8) Chloroethane	2.92	64	230050	26.240	ug/L 93
9) Trichlorofluoromethane	3.25	101	233575	30.746	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	372884	26.080	ug/L 94
12) 1,1-Dichloroethene	4.03	96	368661	25.469	ug/L 82
13) Acetone	4.11	43	220955	53.577	ug/L 99
14) Carbon disulfide	4.38	76	1086829	24.481	ug/L 99
15) Methyl Acetate	4.67	43	167955	21.531	ug/L 98
16) Methylene chloride	4.91	84	384909	23.164	ug/L 94
17) Methyl tert-butyl Ether	5.42	73	434071	22.740	ug/L # 88
18) trans-1,2-Dichloroethene	5.42	96	383842	24.762	ug/L 96
19) 1,1-Dichloroethane	6.21	63	702697	25.231	ug/L 98
21) 2-Butanone	7.17	43	262681	47.443	ug/L 97
22) cis-1,2-Dichloroethene	7.16	96	400032	24.252	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	168528	22.212	ug/L	84
25) Chloroform	7.67	83	662280	24.471	ug/L	99
27) 1,2-Dichloroethane	8.40	62	406696	22.948	ug/L	97
30) Cyclohexane	7.95	56	681929	28.768	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	527640	27.665	ug/L	97
32) Carbon tetrachloride	8.06	117	486929	26.907	ug/L	100
34) Benzene	8.32	78	1576702	26.221	ug/L	100
35) Trichloroethene	9.09	95	398177	25.880	ug/L	95
36) Methylcyclohexane	9.33	83	720708	27.877	ug/L	96
40) 1,2-Dichloropropane	9.37	63	383342	24.815	ug/L	99
41) Bromodichloromethane	9.64	83	455384	24.256	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	576341	24.912	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	463758	45.526	ug/L	98
44) Toluene	10.38	91	1640201	26.018	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	448291	23.938	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	262283	22.657	ug/L	98
47) Tetrachloroethene	10.86	164	329134	25.667	ug/L	98
49) 2-Hexanone	10.96	43	335702	46.289	ug/L	98
50) Dibromochloromethane	11.12	129	295753	22.764	ug/L	98
51) 1,2-Dibromoethane	11.23	107	241894	22.061	ug/L #	97
52) Chlorobenzene	11.65	112	975039	23.931	ug/L	93
53) Ethylbenzene	11.73	91	1783265	26.069	ug/L	98
54) m,p-Xylene	11.83	106	675867	25.685	ug/L	99
55) o-xylene	12.16	106	635155	25.449	ug/L	99
56) Styrene	12.18	104	1080511	25.306	ug/L	98
57) Isopropylbenzene	12.46	105	1737348	26.813	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	305616	21.271	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	228568	21.409	ug/L	99
62) Bromoform	12.35	173	165503	22.660	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	740079	25.587	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	731048	24.877	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	661801	24.605	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	44553	21.472	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	537413	25.825	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	403540	24.875	ug/L	99
69) Naphthalene	15.36	128	699115	22.916	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	360015	23.665	ug/L	99

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

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