

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121919\
 Data File : VW014455.D
 Acq On : 19 Dec 2019 10:35
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02528

Quant Time: Dec 20 01:09:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 19 16:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1028469	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	915267	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	450408	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	297168	19.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.32%
7) Chloroethane-d5	2.89	69	265986	22.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.88%
10) 1,1-Dichloroethene-d2	4.02	63	639603	23.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.00%
20) 2-Butanone-d5	7.07	46	258598	63.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.44%
24) Chloroform-d	7.64	84	654993	25.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.04%
26) 1,2-Dichloroethane-d4	8.30	65	354389	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.24%
29) Benzene-d6	8.27	84	1299288	24.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.88%
33) 1,2-Dichloropropane-d6	9.27	67	410948	24.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.60%
37) Toluene-d8	10.32	98	1160453	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.68%
38) trans-1,3-Dichloropropene-	10.57	79	168839	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.56%
39) 2-Hexanone-d5	10.92	63	196189	59.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.58%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	364533	27.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	400033	23.24	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	248265	25.380	ug/L 98
3) Chloromethane	2.21	50	261728	26.616	ug/L 99
5) Vinyl chloride	2.36	62	379681	26.077	ug/L 96
6) Bromomethane	2.78	94	219017	24.387	ug/L 100
8) Chloroethane	2.92	64	220939	26.561	ug/L 95
9) Trichlorofluoromethane	3.26	101	221284	30.700	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	354202	26.111	ug/L 93
12) 1,1-Dichloroethene	4.04	96	345820	25.180	ug/L 87
13) Acetone	4.11	43	241294	61.666	ug/L 98
14) Carbon disulfide	4.38	76	989061	23.481	ug/L 99
15) Methyl Acetate	4.66	43	205218	27.728	ug/L 96
16) Methylene chloride	4.92	84	371988	23.594	ug/L 97
17) Methyl tert-butyl Ether	5.42	73	463510	25.592	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	357763	24.325	ug/L 91
19) 1,1-Dichloroethane	6.21	63	673727	25.496	ug/L 99
21) 2-Butanone	7.16	43	298034	56.733	ug/L 96
22) cis-1,2-Dichloroethene	7.16	96	385464	24.630	ug/L 96

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

23) Bromochloromethane	7.51	128	166897	23.184	ug/L #	78
25) Chloroform	7.67	83	643621	25.065	ug/L	99
27) 1,2-Dichloroethane	8.40	62	427365	25.416	ug/L	96
30) Cyclohexane	7.95	56	637966	27.925	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	513164	27.918	ug/L	97
32) Carbon tetrachloride	8.06	117	476445	27.318	ug/L	100
34) Benzene	8.32	78	1494453	25.787	ug/L	100
35) Trichloroethene	9.09	95	374358	25.247	ug/L	95
36) Methylcyclohexane	9.33	83	669395	26.866	ug/L	95
40) 1,2-Dichloropropane	9.37	63	374070	25.125	ug/L	99
41) Bromodichloromethane	9.64	83	454566	25.123	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	565648	25.370	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	561605	57.204	ug/L	97
44) Toluene	10.38	91	1559058	25.661	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	461445	25.567	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	274944	24.644	ug/L	97
47) Tetrachloroethene	10.86	164	311374	25.195	ug/L	98
49) 2-Hexanone	10.96	43	397518	56.873	ug/L	97
50) Dibromochloromethane	11.12	129	305617	24.408	ug/L	98
51) 1,2-Dibromoethane	11.23	107	261035	24.701	ug/L	99
52) Chlorobenzene	11.65	112	962068	24.501	ug/L	93
53) Ethylbenzene	11.73	91	1723814	26.148	ug/L	98
54) m,p-Xylene	11.83	106	652209	25.718	ug/L	97
55) o-xylene	12.16	106	605523	25.174	ug/L	99
56) Styrene	12.18	104	1055894	25.659	ug/L	95
57) Isopropylbenzene	12.46	105	1668089	26.712	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	345863	24.977	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	264395	25.696	ug/L	99
62) Bromoform	12.35	173	184133	24.087	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	729931	24.111	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	721680	23.463	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	659608	23.430	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	55462	25.538	ug/L	82
67) 1,3,5-Trichlorobenzene	14.63	180	519048	23.830	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	404103	23.799	ug/L	98
69) Naphthalene	15.36	128	794301	24.875	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	370152	23.246	ug/L	98

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

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