

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081220\
 Data File : VW016145.D
 Acq On : 12 Aug 2020 07:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Aug 13 01:19:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 12 11:37:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	447725	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	407608	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192064	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	122324	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.16%
7) Chloroethane-d5	2.89	69	91295	21.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
10) 1,1-Dichloroethene-d2	4.01	63	288527	24.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.88%
20) 2-Butanone-d5	7.09	46	65335	44.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.46%
24) Chloroform-d	7.65	84	274839	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	141793	22.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.88%
29) Benzene-d6	8.27	84	527064	23.77	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.08%
33) 1,2-Dichloropropane-d6	9.28	67	150962	23.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.60%
37) Toluene-d8	10.32	98	489968	24.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.36%
38) trans-1,3-Dichloropropene-	10.58	79	67702	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.40%
39) 2-Hexanone-d5	10.93	63	53628	47.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.36%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	128574	24.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	160662	23.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	147111	32.526	ug/L 95
3) Chloromethane	2.21	50	121463	27.042	ug/L 97
5) Vinyl chloride	2.37	62	164383	27.575	ug/L 99
6) Bromomethane	2.79	94	98953	26.504	ug/L 100
8) Chloroethane	2.93	64	89474	26.654	ug/L 96
9) Trichlorofluoromethane	3.26	101	129512	30.437	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	163764	27.233	ug/L 98
12) 1,1-Dichloroethene	4.03	96	161588	28.120	ug/L 95
13) Acetone	4.15	43	62857	56.886	ug/L 96
14) Carbon disulfide	4.38	76	523119	29.001	ug/L 99
15) Methyl Acetate	4.68	43	66781	25.704	ug/L 99
16) Methylene chloride	4.91	84	164839	23.316	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	221886	27.248	ug/L # 90
18) trans-1,2-Dichloroethene	5.42	96	169632	28.063	ug/L 92
19) 1,1-Dichloroethane	6.21	63	284082	26.562	ug/L 99
21) 2-Butanone	7.18	43	92803	52.993	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	170813	26.787	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	76685	26.202	ug/L	98
25) Chloroform	7.68	83	295460	25.967	ug/L	99
27) 1,2-Dichloroethane	8.40	62	187119	24.688	ug/L	98
30) Cyclohexane	7.96	56	266031	29.996	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	265319	28.327	ug/L	99
32) Carbon tetrachloride	8.07	117	245861	27.754	ug/L	98
34) Benzene	8.32	78	656859	27.945	ug/L	100
35) Trichloroethene	9.09	95	176719	27.960	ug/L	99
36) Methylcyclohexane	9.34	83	307036	29.489	ug/L	98
40) 1,2-Dichloropropane	9.37	63	156347	27.086	ug/L	100
41) Bromodichloromethane	9.65	83	211262	26.643	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	247580	28.163	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	184945	53.270	ug/L	99
44) Toluene	10.39	91	706669	28.480	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	220590	27.934	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	122470	26.954	ug/L	97
47) Tetrachloroethene	10.87	164	131822	27.821	ug/L	96
49) 2-Hexanone	10.97	43	132518	56.566	ug/L	98
50) Dibromochloromethane	11.13	129	141005	26.349	ug/L	98
51) 1,2-Dibromoethane	11.24	107	118158	27.430	ug/L	98
52) Chlorobenzene	11.66	112	447317	27.247	ug/L	98
53) Ethylbenzene	11.73	91	792100	28.136	ug/L	100
54) m,p-Xylene	11.84	106	301450	28.466	ug/L	94
55) o-xylene	12.17	106	287897	28.862	ug/L	97
56) Styrene	12.18	104	497886	28.830	ug/L	98
57) Isopropylbenzene	12.47	105	783513	29.133	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	141761	26.740	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	106312	26.470	ug/L	99
62) Bromoform	12.35	173	75543	26.010	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	330644	27.256	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	333802	27.011	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	294541	26.482	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24083	24.693	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	217424	28.405	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	177867	28.670	ug/L	98
69) Naphthalene	15.37	128	379838	29.006	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	159079	28.224	ug/L	98

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

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