

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081720\
 Data File : VW016227.D
 Acq On : 17 Aug 2020 18:45
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02516

Quant Time: Aug 18 03:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 18 03:20:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	397217	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	372831	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181691	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	85620	17.39	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.56%
7) Chloroethane-d5	2.89	69	72048	19.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.08%
10) 1,1-Dichloroethene-d2	4.01	63	211369	20.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.84%
20) 2-Butanone-d5	7.08	46	64502	49.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.56%
24) Chloroform-d	7.65	84	230342	21.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.44%
26) 1,2-Dichloroethane-d4	8.31	65	118589	20.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.76%
29) Benzene-d6	8.27	84	450822	22.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.92%
33) 1,2-Dichloropropane-d6	9.27	67	130670	21.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.64%
37) Toluene-d8	10.32	98	416138	22.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.48%
38) trans-1,3-Dichloropropene-	10.58	79	59506	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.80%
39) 2-Hexanone-d5	10.93	63	55048	53.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122610	25.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.00%
61) 1,2-Dichlorobenzene-d4	13.86	152	148446	23.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	94491	23.548	ug/L 99
3) Chloromethane	2.21	50	76507	19.199	ug/L 98
5) Vinyl chloride	2.37	62	115400	21.820	ug/L 100
6) Bromomethane	2.78	94	73321	22.136	ug/L 98
8) Chloroethane	2.93	64	66327	22.271	ug/L 96
9) Trichlorofluoromethane	3.26	101	92619	24.534	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	128427	24.072	ug/L 95
12) 1,1-Dichloroethene	4.04	96	128197	25.146	ug/L 78
13) Acetone	4.12	43	51842	52.883	ug/L 91
14) Carbon disulfide	4.37	76	379080	23.688	ug/L 99
15) Methyl Acetate	4.67	43	54219	23.522	ug/L 94
16) Methylene chloride	4.91	84	148554	23.685	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	179232	24.809	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	130708	24.373	ug/L 87
19) 1,1-Dichloroethane	6.21	63	217891	22.964	ug/L 97
21) 2-Butanone	7.17	43	74942	48.235	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	139294	24.622	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65714	25.309	ug/L	89
25) Chloroform	7.68	83	234411	23.221	ug/L	100
27) 1,2-Dichloroethane	8.40	62	146102	21.727	ug/L	98
30) Cyclohexane	7.96	56	194947	24.031	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	198076	23.121	ug/L	98
32) Carbon tetrachloride	8.07	117	186413	23.006	ug/L	97
34) Benzene	8.32	78	519168	24.147	ug/L	100
35) Trichloroethene	9.09	95	139222	24.082	ug/L	97
36) Methylcyclohexane	9.34	83	236415	24.824	ug/L	97
40) 1,2-Dichloropropane	9.37	63	125734	23.814	ug/L	99
41) Bromodichloromethane	9.65	83	168034	23.168	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	198011	24.626	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	154893	48.775	ug/L	96
44) Toluene	10.39	91	563408	24.824	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	174898	24.214	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	102999	24.783	ug/L	100
47) Tetrachloroethene	10.87	164	109309	25.222	ug/L	97
49) 2-Hexanone	10.97	43	105429	49.201	ug/L	95
50) Dibromochloromethane	11.13	129	122754	25.078	ug/L	99
51) 1,2-Dibromoethane	11.24	107	98499	24.999	ug/L	99
52) Chlorobenzene	11.66	112	368221	24.521	ug/L	97
53) Ethylbenzene	11.73	91	631671	24.531	ug/L	100
54) m,p-Xylene	11.84	106	248602	25.665	ug/L	97
55) o-xylene	12.16	106	230235	25.234	ug/L	91
56) Styrene	12.18	104	408928	25.888	ug/L	97
57) Isopropylbenzene	12.47	105	635172	25.821	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	121915	25.141	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	90838	24.727	ug/L	99
62) Bromoform	12.35	173	66615	24.246	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	277183	24.154	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	281489	24.079	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	256085	24.339	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	21386	23.180	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	187222	25.856	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	151987	25.897	ug/L	98
69) Naphthalene	15.37	128	332146	26.812	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	139202	26.108	ug/L	99

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

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