

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022820\
 Data File : VW015074.D
 Acq On : 28 Feb 2020 11:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Feb 29 04:54:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 28 12:10:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	602260	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	554098	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239138	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	298317	19.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.20%
7) Chloroethane-d5	2.89	69	226710	20.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.52%
10) 1,1-Dichloroethene-d2	4.02	63	536289	22.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.52%
20) 2-Butanone-d5	7.07	46	128543	51.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.10%
24) Chloroform-d	7.65	84	465108	23.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	8.31	65	261476	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.48%
29) Benzene-d6	8.27	84	917507	24.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.40%
33) 1,2-Dichloropropane-d6	9.27	67	308082	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.68%
37) Toluene-d8	10.32	98	790888	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.60%
38) trans-1,3-Dichloropropene-	10.57	79	109987	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.36%
39) 2-Hexanone-d5	10.92	63	89492	53.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	207604	25.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	205466	23.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	117977	22.957	ug/L	98
3) Chloromethane	2.21	50	244445	20.750	ug/L	99
5) Vinyl chloride	2.37	62	337733	22.158	ug/L	99
6) Bromomethane	2.78	94	156677	22.898	ug/L	96
8) Chloroethane	2.92	64	187875	22.653	ug/L	97
9) Trichlorofluoromethane	3.26	101	174951	25.469	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	240077	25.376	ug/L	97
12) 1,1-Dichloroethene	4.04	96	220770	24.511	ug/L	91
13) Acetone	4.12	43	168400	56.544	ug/L	99
14) Carbon disulfide	4.38	76	789111	23.412	ug/L	100
15) Methyl Acetate	4.67	43	125608	25.047	ug/L	100
16) Methylene chloride	4.91	84	254924	22.868	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	271808	24.931	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	229907	24.706	ug/L	96
19) 1,1-Dichloroethane	6.21	63	513644	24.748	ug/L	98
21) 2-Butanone	7.17	43	187332	53.491	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	233323	24.637	ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	91082	24.723	ug/L	93
25) Chloroform	7.67	83	456561	24.239	ug/L	99
27) 1,2-Dichloroethane	8.40	62	322510	25.025	ug/L	99
30) Cyclohexane	7.96	56	496402	26.795	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	357303	25.003	ug/L	98
32) Carbon tetrachloride	8.07	117	324723	25.358	ug/L	99
34) Benzene	8.32	78	1070141	25.963	ug/L	100
35) Trichloroethene	9.09	95	246716	24.745	ug/L	99
36) Methylcyclohexane	9.34	83	467068	27.280	ug/L	100
40) 1,2-Dichloropropane	9.37	63	288709	25.220	ug/L	100
41) Bromodichloromethane	9.64	83	320409	24.952	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	378544	25.376	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	339772	53.066	ug/L	99
44) Toluene	10.38	91	1068080	26.682	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	309334	25.657	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	164808	25.583	ug/L	98
47) Tetrachloroethene	10.86	164	157004	24.433	ug/L	98
49) 2-Hexanone	10.97	43	259116	55.820	ug/L	99
50) Dibromochloromethane	11.13	129	170472	24.866	ug/L	99
51) 1,2-Dibromoethane	11.23	107	141953	25.284	ug/L	95
52) Chlorobenzene	11.65	112	586691	24.918	ug/L	99
53) Ethylbenzene	11.73	91	1164901	26.638	ug/L	99
54) m,p-Xylene	11.83	106	411414	26.890	ug/L	99
55) o-xylene	12.16	106	379290	26.606	ug/L	98
56) Styrene	12.18	104	660889	27.066	ug/L	98
57) Isopropylbenzene	12.46	105	1064603	27.421	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	207410	25.518	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	156092	24.985	ug/L	99
62) Bromoform	12.35	173	82336	24.495	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	394080	25.260	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	393999	24.529	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	351890	24.906	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	29660	23.778	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	249530	23.852	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	174027	22.761	ug/L	99
69) Naphthalene	15.36	128	149943	22.091	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	161231	23.494	ug/L	99

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

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