

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031220\
 Data File : VW015120.D
 Acq On : 12 Mar 2020 15:49
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02515

Quant Time: Mar 13 02:14:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 02:12:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	706046	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	639046	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	277666	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	256812	14.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.16%
7) Chloroethane-d5	2.89	69	219933	17.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	69.12%
10) 1,1-Dichloroethene-d2	4.02	63	550198	20.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.08%
20) 2-Butanone-d5	7.07	46	141064	47.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.58%
24) Chloroform-d	7.64	84	493405	21.27	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.08%
26) 1,2-Dichloroethane-d4	8.30	65	276047	21.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.08%
29) Benzene-d6	8.27	84	959900	21.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.44%
33) 1,2-Dichloropropane-d6	9.27	67	318520	21.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.68%
37) Toluene-d8	10.32	98	828250	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.44%
38) trans-1,3-Dichloropropene-	10.57	79	118868	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.48%
39) 2-Hexanone-d5	10.92	63	102011	52.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	221978	23.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	219251	21.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	133337	22.132	ug/L 100
3) Chloromethane	2.21	50	229097	16.589	ug/L 100
5) Vinyl chloride	2.36	62	338892	18.966	ug/L 99
6) Bromomethane	2.78	94	166327	20.735	ug/L 99
8) Chloroethane	2.92	64	201253	20.699	ug/L 100
9) Trichlorofluoromethane	3.26	101	184398	22.899	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	258670	23.322	ug/L 98
12) 1,1-Dichloroethene	4.04	96	243117	23.024	ug/L 92
13) Acetone	4.12	43	156185	44.733	ug/L 98
14) Carbon disulfide	4.38	76	815211	20.631	ug/L 99
15) Methyl Acetate	4.67	43	136294	23.183	ug/L 99
16) Methylene chloride	4.91	84	288910	22.107	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	317222	24.819	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	253642	23.250	ug/L 97
19) 1,1-Dichloroethane	6.21	63	564230	23.189	ug/L 98
21) 2-Butanone	7.16	43	196920	47.963	ug/L 98
22) cis-1,2-Dichloroethene	7.16	96	268172	24.155	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	101292	23.453	ug/L	91
25) Chloroform	7.67	83	508288	23.019	ug/L	99
27) 1,2-Dichloroethane	8.40	62	361004	23.894	ug/L	98
30) Cyclohexane	7.95	56	543981	25.460	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	391420	23.750	ug/L	98
32) Carbon tetrachloride	8.07	117	346620	23.470	ug/L	99
34) Benzene	8.32	78	1171914	24.653	ug/L	100
35) Trichloroethene	9.09	95	275403	23.950	ug/L	99
36) Methylcyclohexane	9.34	83	511393	25.899	ug/L	97
40) 1,2-Dichloropropane	9.37	63	316888	24.002	ug/L	100
41) Bromodichloromethane	9.64	83	358667	24.218	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	440520	25.605	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	407185	55.141	ug/L	100
44) Toluene	10.38	91	1182616	25.616	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	350247	25.188	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	181128	24.379	ug/L	99
47) Tetrachloroethene	10.86	164	171667	23.163	ug/L	97
49) 2-Hexanone	10.96	43	293725	54.865	ug/L	99
50) Dibromochloromethane	11.13	129	190803	24.131	ug/L	97
51) 1,2-Dibromoethane	11.23	107	158937	24.546	ug/L	95
52) Chlorobenzene	11.65	112	651695	23.999	ug/L	99
53) Ethylbenzene	11.73	91	1291686	25.611	ug/L	100
54) m,p-Xylene	11.83	106	453706	25.712	ug/L	99
55) o-xylene	12.16	106	420801	25.594	ug/L	96
56) Styrene	12.18	104	736662	26.159	ug/L	98
57) Isopropylbenzene	12.46	105	1175839	26.260	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	231122	24.655	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	172923	24.000	ug/L	100
62) Bromoform	12.35	173	92159	23.613	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	438583	24.212	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	444695	23.844	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	398829	24.311	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	33767	23.315	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	283305	23.323	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	211557	23.830	ug/L	99
69) Naphthalene	15.36	128	192885	24.474	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	186444	23.398	ug/L	98

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

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