

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052820\
 Data File : VW015512.D
 Acq On : 28 May 2020 10:01
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10.0mL/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02517

Quant Time: May 29 03:21:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 28 01:49:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	367416	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	335719	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162851	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	108840	32.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	129.32%
7) Chloroethane-d5	2.89	69	105364	31.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	125.88%
10) 1,1-Dichloroethene-d2	4.01	63	240465	29.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	117.24%#
20) 2-Butanone-d5	7.08	46	62290	56.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.32%
24) Chloroform-d	7.65	84	236886	27.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.52%
26) 1,2-Dichloroethane-d4	8.31	65	131859	27.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.60%
29) Benzene-d6	8.27	84	456252	27.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.84%
33) 1,2-Dichloropropane-d6	9.27	67	137695	27.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.08%
37) Toluene-d8	10.32	98	435148	27.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.72%
38) trans-1,3-Dichloropropene-	10.58	79	61158	26.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.68%
39) 2-Hexanone-d5	10.93	63	51604	59.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.14%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	107921	28.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.60%
61) 1,2-Dichlorobenzene-d4	13.85	152	149593	27.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	92749	28.574	ug/L	96
3) Chloromethane	2.22	50	96884	27.114	ug/L	99
5) Vinyl chloride	2.37	62	148850	27.701	ug/L	98
6) Bromomethane	2.79	94	94406	27.030	ug/L	99
8) Chloroethane	2.93	64	91000	27.820	ug/L	98
9) Trichlorofluoromethane	3.26	101	106720	27.908	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	122556	27.022	ug/L	100
12) 1,1-Dichloroethene	4.04	96	119651	27.311	ug/L	94
13) Acetone	4.12	43	56300	66.249	ug/L	100
14) Carbon disulfide	4.38	76	382078	26.142	ug/L	99
15) Methyl Acetate	4.67	43	51053	27.768	ug/L	99
16) Methylene chloride	4.91	84	119438	26.487	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	183351	26.372	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	128476	27.364	ug/L	99
19) 1,1-Dichloroethane	6.21	63	227763	26.970	ug/L	99
21) 2-Butanone	7.17	43	72449	55.496	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	130282	26.600	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56328	26.670	ug/L	94
25) Chloroform	7.68	83	229371	26.974	ug/L	98
27) 1,2-Dichloroethane	8.40	62	158805	27.606	ug/L	98
30) Cyclohexane	7.96	56	219464	26.446	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	201566	26.838	ug/L	100
32) Carbon tetrachloride	8.07	117	182852	26.544	ug/L	98
34) Benzene	8.32	78	509191	27.121	ug/L	100
35) Trichloroethene	9.09	95	136617	27.090	ug/L	99
36) Methylcyclohexane	9.34	83	240002	26.684	ug/L	99
40) 1,2-Dichloropropane	9.37	63	124347	26.895	ug/L	100
41) Bromodichloromethane	9.65	83	162645	26.333	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	199332	26.942	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	151985	56.080	ug/L	99
44) Toluene	10.39	91	556436	27.204	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	174982	27.177	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	89948	27.808	ug/L	97
47) Tetrachloroethene	10.86	164	107974	27.010	ug/L	99
49) 2-Hexanone	10.97	43	108996	59.583	ug/L	99
50) Dibromochloromethane	11.13	129	107508	27.357	ug/L	94
51) 1,2-Dibromoethane	11.24	107	85931	27.673	ug/L	98
52) Chlorobenzene	11.66	112	346846	27.034	ug/L	99
53) Ethylbenzene	11.73	91	635222	27.046	ug/L	100
54) m,p-Xylene	11.84	106	242884	27.559	ug/L	99
55) o-xylene	12.16	106	228299	27.290	ug/L	98
56) Styrene	12.18	104	391905	27.417	ug/L	99
57) Isopropylbenzene	12.46	105	638698	27.407	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	106523	28.446	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	79256	27.913	ug/L	100
62) Bromoform	12.35	173	59745	26.331	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	270970	27.192	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	263849	27.022	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	238318	27.520	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	17956	27.333	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	190440	27.603	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	157053	28.264	ug/L	100
69) Naphthalene	15.36	128	291130	28.855	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	135478	28.659	ug/L	99

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

