

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050820\
 Data File : VW015422.D
 Acq On : 08 May 2020 11:52
 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: May 09 06:12:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 06 12:35:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	351575	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	318611	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	156229	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	99149	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.16%
7) Chloroethane-d5	2.89	69	96941	22.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.44%
10) 1,1-Dichloroethene-d2	4.01	63	205999	23.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.12%
20) 2-Butanone-d5	7.08	46	58351	49.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.32%
24) Chloroform-d	7.64	84	208709	23.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	8.31	65	118534	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.32%
29) Benzene-d6	8.27	84	408527	23.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.76%
33) 1,2-Dichloropropane-d6	9.27	67	124719	23.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.44%
37) Toluene-d8	10.32	98	389705	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.00%
38) trans-1,3-Dichloropropene-	10.57	79	57288	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.28%
39) 2-Hexanone-d5	10.92	63	48672	49.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.74%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99261	24.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	124811	22.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	66011	21.395	ug/L	97
3) Chloromethane	2.21	50	72124	21.845	ug/L	100
5) Vinyl chloride	2.37	62	122104	23.803	ug/L	98
6) Bromomethane	2.78	94	84167	23.848	ug/L	99
8) Chloroethane	2.93	64	81953	23.902	ug/L	98
9) Trichlorofluoromethane	3.26	101	82077	21.947	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	105255	25.261	ug/L	99
12) 1,1-Dichloroethene	4.03	96	102550	24.319	ug/L	92
13) Acetone	4.13	43	49757	55.925	ug/L	99
14) Carbon disulfide	4.38	76	302605	23.102	ug/L	99
15) Methyl Acetate	4.67	43	50648	26.027	ug/L	99
16) Methylene chloride	4.91	84	107554	21.360	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	172549	25.168	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	112179	24.685	ug/L	98
19) 1,1-Dichloroethane	6.21	63	212596	24.838	ug/L	99
21) 2-Butanone	7.17	43	68587	51.275	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	122617	25.034	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	52347	25.643	ug/L	94
25) Chloroform	7.67	83	214045	25.295	ug/L	99
27) 1,2-Dichloroethane	8.40	62	149240	25.919	ug/L	99
30) Cyclohexane	7.95	56	203774	24.451	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	182481	25.521	ug/L	100
32) Carbon tetrachloride	8.06	117	165320	25.406	ug/L	99
34) Benzene	8.32	78	471230	25.280	ug/L	100
35) Trichloroethene	9.09	95	124554	24.935	ug/L	99
36) Methylcyclohexane	9.33	83	220253	24.833	ug/L	98
40) 1,2-Dichloropropane	9.37	63	118399	25.416	ug/L	100
41) Bromodichloromethane	9.64	83	157070	25.544	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	192676	25.614	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	153823	49.285	ug/L	99
44) Toluene	10.38	91	519502	25.501	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	171982	26.234	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	87018	26.644	ug/L	99
47) Tetrachloroethene	10.86	164	95589	25.509	ug/L	99
49) 2-Hexanone	10.97	43	109350	55.606	ug/L	99
50) Dibromochloromethane	11.13	129	102551	25.956	ug/L	99
51) 1,2-Dibromoethane	11.23	107	84383	27.075	ug/L	100
52) Chlorobenzene	11.65	112	325326	25.312	ug/L	99
53) Ethylbenzene	11.73	91	599895	25.249	ug/L	99
54) m,p-Xylene	11.83	106	225277	25.380	ug/L	100
55) o-xylene	12.16	106	214373	25.104	ug/L	99
56) Styrene	12.18	104	367854	25.230	ug/L	95
57) Isopropylbenzene	12.46	105	593615	25.165	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	106842	27.502	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	80153	27.164	ug/L	100
62) Bromoform	12.35	173	60923	26.403	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	251125	25.279	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	251745	25.454	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	222960	25.514	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	18408	26.134	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	179727	26.312	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	145683	25.830	ug/L	98
69) Naphthalene	15.36	128	292377	27.623	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	124331	25.587	ug/L	98

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

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