

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121119\
 Data File : VW014297.D
 Acq On : 11 Dec 2019 11:25
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02514

Quant Time: Dec 12 04:54:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 11 15:52:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1258637	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1099851	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	534308	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	488268	25.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.48%
7) Chloroethane-d5	2.89	69	402935	28.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.72%
10) 1,1-Dichloroethene-d2	4.01	63	891418	26.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.92%
20) 2-Butanone-d5	7.07	46	252411	50.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.64%
24) Chloroform-d	7.65	84	900495	28.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.40%
26) 1,2-Dichloroethane-d4	8.30	65	454846	27.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.28%
29) Benzene-d6	8.27	84	1869309	29.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	116.00%
33) 1,2-Dichloropropane-d6	9.27	67	575661	29.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.12%
37) Toluene-d8	10.32	98	1691946	29.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	116.12%
38) trans-1,3-Dichloropropene-	10.57	79	227140	27.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.20%
39) 2-Hexanone-d5	10.92	63	200388	50.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	416738	25.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.16%
61) 1,2-Dichlorobenzene-d4	13.85	152	544066	26.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	288481	24.098 ug/L	99
3) Chloromethane	2.21	50	277311	23.043 ug/L	98
5) Vinyl chloride	2.36	62	425070	23.856 ug/L	94
6) Bromomethane	2.78	94	250306	22.774 ug/L	99
8) Chloroethane	2.92	64	249868	24.545 ug/L	96
9) Trichlorofluoromethane	3.26	101	275643	31.248 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	384608	23.167 ug/L	94
12) 1,1-Dichloroethene	4.04	96	378904	22.544 ug/L	81
13) Acetone	4.12	43	239782	50.074 ug/L	99
14) Carbon disulfide	4.38	76	1168261	22.663 ug/L	100
15) Methyl Acetate	4.67	43	175613	19.389 ug/L	98
16) Methylene chloride	4.92	84	406125	21.049 ug/L	96
17) Methyl tert-butyl Ether	5.42	73	475946	21.473 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	397345	22.075 ug/L	91
19) 1,1-Dichloroethane	6.21	63	723647	22.377 ug/L	99
21) 2-Butanone	7.16	43	264424	41.130 ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	420076	21.933 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	179131	20.333	ug/L	83
25) Chloroform	7.67	83	697778	22.205	ug/L	100
27) 1,2-Dichloroethane	8.40	62	433619	21.072	ug/L	97
30) Cyclohexane	7.95	56	692977	25.243	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	557511	25.240	ug/L	97
32) Carbon tetrachloride	8.07	117	515257	24.585	ug/L	100
34) Benzene	8.32	78	1650413	23.699	ug/L	100
35) Trichloroethene	9.09	95	414078	23.239	ug/L	95
36) Methylcyclohexane	9.33	83	724611	24.201	ug/L	95
40) 1,2-Dichloropropane	9.37	63	409954	22.914	ug/L	99
41) Bromodichloromethane	9.64	83	485600	22.334	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	612032	22.843	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	468143	39.681	ug/L	98
44) Toluene	10.38	91	1721856	23.584	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	479569	22.112	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	276674	20.637	ug/L	99
47) Tetrachloroethene	10.86	164	338087	22.765	ug/L	96
49) 2-Hexanone	10.96	43	355125	42.281	ug/L	98
50) Dibromochloromethane	11.13	129	315870	20.993	ug/L	99
51) 1,2-Dibromoethane	11.23	107	258140	20.328	ug/L	95
52) Chlorobenzene	11.66	112	1038060	21.999	ug/L	94
53) Ethylbenzene	11.73	91	1875563	23.675	ug/L	99
54) m,p-Xylene	11.83	106	718688	23.583	ug/L	99
55) o-xylene	12.16	106	675457	23.368	ug/L	98
56) Styrene	12.18	104	1154687	23.351	ug/L	98
57) Isopropylbenzene	12.46	105	1818519	24.234	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	326581	19.626	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	242027	19.574	ug/L	100
62) Bromoform	12.35	173	173877	19.174	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	789726	21.990	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	791679	21.697	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	718468	21.513	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	48201	18.710	ug/L #	82
67) 1,3,5-Trichlorobenzene	14.63	180	591480	22.892	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	444325	22.059	ug/L	98
69) Naphthalene	15.36	128	774305	20.441	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	403367	21.355	ug/L	98

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

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