

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112719\
 Data File : VW014168.D
 Acq On : 27 Nov 2019 19:42
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02524

Quant Time: Nov 28 07:27:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 28 07:23:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	278721	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	267210	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	164605	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	91196	20.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.04%
7) Chloroethane-d5	2.89	69	83351	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.48%
10) 1,1-Dichloroethene-d2	4.02	63	208851	22.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.52%
20) 2-Butanone-d5	7.07	46	66952	51.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.64%
24) Chloroform-d	7.65	84	223461	26.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.28%
26) 1,2-Dichloroethane-d4	8.31	65	111971	25.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.96%
29) Benzene-d6	8.27	84	447758	23.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.48%
33) 1,2-Dichloropropane-d6	9.27	67	132930	23.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.76%
37) Toluene-d8	10.32	98	411136	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.48%
38) trans-1,3-Dichloropropene-	10.58	79	54232	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.20%
39) 2-Hexanone-d5	10.92	63	56963	54.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113145	26.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.92%
61) 1,2-Dichlorobenzene-d4	13.85	152	155602	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	67428	20.342	ug/L	92
3) Chloromethane	2.21	50	67640	22.974	ug/L	97
5) Vinyl chloride	2.36	62	120817	26.281	ug/L	96
6) Bromomethane	2.78	94	74711	26.249	ug/L	100
8) Chloroethane	2.92	64	71805	26.259	ug/L	94
9) Trichlorofluoromethane	3.25	101	67389	21.497	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	128707	27.806	ug/L	98
12) 1,1-Dichloroethene	4.04	96	127320	27.060	ug/L	96
13) Acetone	4.12	43	50603	38.493	ug/L	99
14) Carbon disulfide	4.39	76	331480	24.753	ug/L	100
15) Methyl Acetate	4.67	43	54981	25.849	ug/L	99
16) Methylene chloride	4.91	84	126959	23.661	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	154552	25.461	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	129119	26.316	ug/L	96
19) 1,1-Dichloroethane	6.21	63	229915	27.819	ug/L	99
21) 2-Butanone	7.17	43	76449	45.265	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	138984	26.918	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	61617	27.186	ug/L	90
25) Chloroform	7.67	83	230087	28.349	ug/L	99
27) 1,2-Dichloroethane	8.40	62	138386	28.163	ug/L	98
30) Cyclohexane	7.95	56	212322	24.829	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	186090	27.789	ug/L	99
32) Carbon tetrachloride	8.06	117	181732	28.271	ug/L	99
34) Benzene	8.32	78	531755	27.131	ug/L	100
35) Trichloroethene	9.09	95	137755	26.348	ug/L	100
36) Methylcyclohexane	9.34	83	237238	25.307	ug/L	99
40) 1,2-Dichloropropane	9.37	63	128223	27.176	ug/L	99
41) Bromodichloromethane	9.64	83	161310	28.280	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	197297	26.498	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	159327	51.145	ug/L	100
44) Toluene	10.38	91	585083	27.380	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	154737	26.280	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	94305	27.202	ug/L	99
47) Tetrachloroethene	10.86	164	124953	26.813	ug/L	96
49) 2-Hexanone	10.96	43	108917	48.495	ug/L	97
50) Dibromochloromethane	11.13	129	112134	27.519	ug/L	96
51) 1,2-Dibromoethane	11.23	107	88585	26.336	ug/L	94
52) Chlorobenzene	11.65	112	364355	27.198	ug/L	96
53) Ethylbenzene	11.73	91	644333	27.477	ug/L	98
54) m,p-Xylene	11.84	106	251042	27.548	ug/L	97
55) o-xylene	12.16	106	234293	27.455	ug/L	98
56) Styrene	12.18	104	406034	28.166	ug/L	99
57) Isopropylbenzene	12.46	105	647933	27.615	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	113325	27.999	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	82251	27.020	ug/L	100
62) Bromoform	12.35	173	69910	25.916	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	292850	25.338	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	292301	25.597	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	265648	25.956	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	17641	25.309	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	224034	25.435	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	174356	25.174	ug/L	100
69) Naphthalene	15.36	128	302885	24.616	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	156461	25.598	ug/L	99

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

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