

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112919\
 Data File : VW014191.D
 Acq On : 29 Nov 2019 19:30
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

Quant Time: Nov 30 04:14:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 30 04:10:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	269438	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	269520	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	169319	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	78334	18.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.88%
7) Chloroethane-d5	2.89	69	75913	21.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.12%
10) 1,1-Dichloroethene-d2	4.02	63	179894	20.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.56%
20) 2-Butanone-d5	7.07	46	70858	56.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.48%
24) Chloroform-d	7.65	84	229692	27.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.92%
26) 1,2-Dichloroethane-d4	8.30	65	118755	28.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	114.04%
29) Benzene-d6	8.27	84	440659	23.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.16%
33) 1,2-Dichloropropane-d6	9.27	67	139747	24.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.80%
37) Toluene-d8	10.32	98	415488	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.64%
38) trans-1,3-Dichloropropene-	10.57	79	59583	24.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.36%
39) 2-Hexanone-d5	10.92	63	59052	55.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122386	28.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	162876	23.94	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	48862	15.249	ug/L	97
3) Chloromethane	2.21	50	50365	17.696	ug/L	99
5) Vinyl chloride	2.36	62	93951	21.141	ug/L	93
6) Bromomethane	2.78	94	62607	22.754	ug/L	99
8) Chloroethane	2.92	64	58869	22.270	ug/L	93
9) Trichlorofluoromethane	3.26	101	50599	16.697	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	100427	22.444	ug/L	99
12) 1,1-Dichloroethene	4.04	96	100652	22.129	ug/L	94
13) Acetone	4.12	43	48118	37.864	ug/L	99
14) Carbon disulfide	4.38	76	262540	20.280	ug/L	98
15) Methyl Acetate	4.67	43	49216	23.936	ug/L	99
16) Methylene chloride	4.92	84	119105	22.962	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	146287	24.930	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	107125	22.585	ug/L	95
19) 1,1-Dichloroethane	6.21	63	200235	25.063	ug/L	100
21) 2-Butanone	7.16	43	74950	45.906	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	124272	24.898	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	57677	26.325	ug/L	94
25) Chloroform	7.67	83	206954	26.378	ug/L	100
27) 1,2-Dichloroethane	8.40	62	132777	27.953	ug/L	98
30) Cyclohexane	7.95	56	165188	19.152	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	154443	22.865	ug/L	99
32) Carbon tetrachloride	8.07	117	142070	21.911	ug/L	98
34) Benzene	8.32	78	463519	23.447	ug/L	100
35) Trichloroethene	9.09	95	116977	22.182	ug/L	99
36) Methylcyclohexane	9.33	83	181016	19.144	ug/L	98
40) 1,2-Dichloropropane	9.37	63	119345	25.078	ug/L	99
41) Bromodichloromethane	9.64	83	150773	26.206	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	180418	24.023	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	147182	46.841	ug/L	99
44) Toluene	10.38	91	505614	23.458	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	145987	24.581	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	88232	25.233	ug/L	98
47) Tetrachloroethene	10.86	164	102875	21.886	ug/L	98
49) 2-Hexanone	10.97	43	104090	45.949	ug/L	99
50) Dibromochloromethane	11.13	129	108025	26.283	ug/L	96
51) 1,2-Dibromoethane	11.23	107	83824	24.707	ug/L	96
52) Chlorobenzene	11.66	112	326599	24.170	ug/L	98
53) Ethylbenzene	11.73	91	550051	23.256	ug/L	99
54) m,p-Xylene	11.84	106	212079	23.073	ug/L	96
55) o-xylene	12.16	106	208163	24.184	ug/L	96
56) Styrene	12.18	104	365240	25.119	ug/L	99
57) Isopropylbenzene	12.46	105	538422	22.751	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	104644	25.633	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	76251	24.835	ug/L	99
62) Bromoform	12.35	173	64793	23.351	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	265333	22.318	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	265949	22.641	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	247910	23.548	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16535	23.062	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	201836	22.276	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	159449	22.381	ug/L	99
69) Naphthalene	15.36	128	278708	22.021	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	149281	23.743	ug/L	99

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

