

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW062619\
 Data File : VW011010.D
 Acq On : 26 Jun 2019 17:47
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Jun 27 07:35:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 27 07:30:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	348783	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314735	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	153343	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	112024	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.12%
7) Chloroethane-d5	2.88	69	84948	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.48%
10) 1,1-Dichloroethene-d2	4.02	63	258276	24.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.68%
20) 2-Butanone-d5	7.07	46	127764	60.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.36%
24) Chloroform-d	7.64	84	248095	26.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.52%
26) 1,2-Dichloroethane-d4	8.31	65	155449	26.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.64%
29) Benzene-d6	8.27	84	497048	26.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.20%
33) 1,2-Dichloropropane-d6	9.27	67	165542	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.04%
37) Toluene-d8	10.32	98	448050	26.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.12%
38) trans-1,3-Dichloropropene-	10.58	79	67974	24.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.40%
39) 2-Hexanone-d5	10.92	63	81032	57.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.50%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	146493	28.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.88%
61) 1,2-Dichlorobenzene-d4	13.85	152	151414	26.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	106230	21.668	ug/L	96
3) Chloromethane	2.21	50	116895	22.426	ug/L	100
5) Vinyl chloride	2.36	62	152439	24.459	ug/L	99
6) Bromomethane	2.77	94	69907	22.725	ug/L	98
8) Chloroethane	2.92	64	76556	23.194	ug/L	100
9) Trichlorofluoromethane	3.25	101	45401	21.571	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	118204	24.166	ug/L	100
12) 1,1-Dichloroethene	4.04	96	116009	23.762	ug/L	100
13) Acetone	4.12	43	113995	56.069	ug/L	97
14) Carbon disulfide	4.39	76	321338	22.231	ug/L	100
15) Methyl Acetate	4.66	43	90528	25.723	ug/L	99
16) Methylene chloride	4.91	84	126480	24.485	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	179058	23.425	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	117019	23.836	ug/L	97
19) 1,1-Dichloroethane	6.21	63	240741	24.009	ug/L	99
21) 2-Butanone	7.17	43	144379	53.998	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	125998	23.853	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	53273	23.713	ug/L	96
25) Chloroform	7.67	83	222970	24.237	ug/L	99
27) 1,2-Dichloroethane	8.40	62	172885	23.982	ug/L	99
30) Cyclohexane	7.95	56	245992	23.636	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	164222	23.991	ug/L	100
32) Carbon tetrachloride	8.06	117	151979	23.506	ug/L	98
34) Benzene	8.32	78	504709	24.403	ug/L	100
35) Trichloroethene	9.09	95	124855	23.805	ug/L	99
36) Methylcyclohexane	9.33	83	234102	24.317	ug/L	99
40) 1,2-Dichloropropane	9.37	63	137928	24.229	ug/L	99
41) Bromodichloromethane	9.64	83	158838	23.777	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	207435	23.688	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	280416	53.082	ug/L	100
44) Toluene	10.38	91	528009	24.415	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	170141	23.504	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	96229	24.666	ug/L	97
47) Tetrachloroethene	10.86	164	95114	23.912	ug/L	98
49) 2-Hexanone	10.97	43	201853	53.709	ug/L	99
50) Dibromochloromethane	11.13	129	101778	23.693	ug/L	96
51) 1,2-Dibromoethane	11.23	107	92528	24.525	ug/L	99
52) Chlorobenzene	11.66	112	311742	23.955	ug/L	99
53) Ethylbenzene	11.73	91	590760	24.246	ug/L	100
54) m,p-Xylene	11.84	106	215719	24.399	ug/L	99
55) o-xylene	12.16	106	205406	24.211	ug/L	100
56) Styrene	12.18	104	353610	24.170	ug/L	98
57) Isopropylbenzene	12.46	105	561579	24.398	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	129988	25.482	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	102432	25.862	ug/L	100
62) Bromoform	12.35	173	59061	24.063	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	236274	23.667	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	237761	23.709	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	221125	23.948	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	22616	23.937	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	176957	23.288	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	147049	22.834	ug/L	100
69) Naphthalene	15.37	128	329574	23.982	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	135184	23.109	ug/L	99

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

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