

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040119\
 Data File : VW009626.D
 Acq On : 01 Apr 2019 15:14
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02506

Quant Time: Apr 02 01:27:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 21:16:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	467965	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	445508	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	236317	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	101163	18.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.36%
7) Chloroethane-d5	2.89	69	117485	17.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.80%
10) 1,1-Dichloroethene-d2	4.01	63	266356	22.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.16%
20) 2-Butanone-d5	7.07	46	132420	57.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.52%
24) Chloroform-d	7.64	84	305629	23.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.72%
26) 1,2-Dichloroethane-d4	8.30	65	188076	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
29) Benzene-d6	8.27	84	533732	21.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.88%
33) 1,2-Dichloropropane-d6	9.27	67	171023	23.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.72%
37) Toluene-d8	10.32	98	492001	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.64%
38) trans-1,3-Dichloropropene-	10.57	79	80465	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.84%
39) 2-Hexanone-d5	10.92	63	102286	57.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.46%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	198167	27.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.08%
61) 1,2-Dichlorobenzene-d4	13.86	152	198617	21.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	129240	20.965	ug/L 93
3) Chloromethane	2.21	50	131917	20.169	ug/L 97
5) Vinyl chloride	2.37	62	172411	25.610	ug/L 96
6) Bromomethane	2.78	94	121042	21.461	ug/L 97
8) Chloroethane	2.93	64	121698	21.850	ug/L 97
9) Trichlorofluoromethane	3.26	101	141024	26.520	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	135971	22.141	ug/L # 89
12) 1,1-Dichloroethene	4.04	96	136706	23.723	ug/L 84
13) Acetone	4.12	43	104965	55.345	ug/L 98
14) Carbon disulfide	4.37	76	380854	24.557	ug/L 98
15) Methyl Acetate	4.67	43	94702	25.418	ug/L 99
16) Methylene chloride	4.91	84	164877	24.161	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	213514	26.186	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	139729	23.063	ug/L 89
19) 1,1-Dichloroethane	6.21	63	281127	25.448	ug/L 99
21) 2-Butanone	7.17	43	138956	53.064	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	155634	23.713	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	73393	23.315	ug/L	95
25) Chloroform	7.67	83	297992	25.758	ug/L	99
27) 1,2-Dichloroethane	8.40	62	225804	26.179	ug/L	99
30) Cyclohexane	7.95	56	237127	23.436	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	243710	27.390	ug/L	99
32) Carbon tetrachloride	8.07	117	236758	26.373	ug/L	98
34) Benzene	8.32	78	609672	25.002	ug/L	100
35) Trichloroethene	9.09	95	156921	24.151	ug/L	98
36) Methylcyclohexane	9.33	83	266025	23.665	ug/L	98
40) 1,2-Dichloropropane	9.37	63	160035	25.576	ug/L	99
41) Bromodichloromethane	9.64	83	219460	25.313	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	246374	24.175	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	293069	51.687	ug/L	99
44) Toluene	10.38	91	663198	24.875	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	221450	24.979	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	125262	25.092	ug/L	98
47) Tetrachloroethene	10.86	164	126758	23.088	ug/L	98
49) 2-Hexanone	10.97	43	217461	54.454	ug/L	98
50) Dibromochloromethane	11.13	129	151856	24.642	ug/L	97
51) 1,2-Dibromoethane	11.23	107	123659	24.435	ug/L	98
52) Chlorobenzene	11.66	112	415923	24.323	ug/L	97
53) Ethylbenzene	11.73	91	756140	25.226	ug/L	99
54) m,p-Xylene	11.84	106	285814	25.098	ug/L	91
55) o-xylene	12.16	106	272275	24.508	ug/L	99
56) Styrene	12.18	104	479617	25.303	ug/L	99
57) Isopropylbenzene	12.46	105	756384	25.416	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	177035	26.288	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	132258	26.463	ug/L	99
62) Bromoform	12.35	173	94936	23.776	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	324501	23.040	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	342142	23.497	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	319515	23.788	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	34469	26.185	ug/L	85
67) 1,3,5-Trichlorobenzene	14.63	180	246601	22.448	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	202505	21.946	ug/L	99
69) Naphthalene	15.37	128	454074	23.735	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	195776	22.652	ug/L	99

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

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