

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072418\
 Data File : VW004188.D
 Acq On : 24 Jul 2018 21:06
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

Quant Time: Jul 25 00:30:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 25 00:28:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	294487	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281250	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	144077	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	47411	16.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.08%
7) Chloroethane-d5	2.88	69	38693	18.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.72%
10) 1,1-Dichloroethene-d2	4.01	63	141867	20.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.20%
20) 2-Butanone-d5	7.09	46	94337	55.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.46%
24) Chloroform-d	7.65	84	161897	23.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	8.31	65	95567	22.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.80%
29) Benzene-d6	8.27	84	278451	21.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.40%
33) 1,2-Dichloropropane-d6	9.27	67	99117	22.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.12%
37) Toluene-d8	10.33	98	248037	21.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.64%
38) trans-1,3-Dichloropropene-	10.58	79	41998	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.84%
39) 2-Hexanone-d5	10.93	63	70527	60.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.44%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	125863	26.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.60%
61) 1,2-Dichlorobenzene-d4	13.86	152	105458	22.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	42841	22.721	ug/L #	88
3) Chloromethane	2.20	50	68477	22.718	ug/L	97
5) Vinyl chloride	2.36	62	100741	22.195	ug/L	98
6) Bromomethane	2.77	94	53926	22.380	ug/L	98
8) Chloroethane	2.92	64	53261	22.384	ug/L	96
9) Trichlorofluoromethane	3.25	101	40591	17.949	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.04	101	105273	26.178	ug/L	97
12) 1,1-Dichloroethene	4.03	96	99165	25.297	ug/L	96
13) Acetone	4.12	43	83370	44.894	ug/L	97
14) Carbon disulfide	4.37	76	305802	24.113	ug/L	100
15) Methyl Acetate	4.67	43	90283	28.498	ug/L	98
16) Methylene chloride	4.91	84	117355	20.772	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	208137	27.454	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	108646	26.921	ug/L	97
19) 1,1-Dichloroethane	6.21	63	211762	27.580	ug/L	98
21) 2-Butanone	7.18	43	125941	54.658	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	119072	27.603	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56540	27.876	ug/L	96
25) Chloroform	7.68	83	217822	27.781	ug/L	100
27) 1,2-Dichloroethane	8.40	62	159226	27.554	ug/L	96
30) Cyclohexane	7.95	56	184899	26.955	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	164713	25.751	ug/L	98
32) Carbon tetrachloride	8.07	117	162603	26.348	ug/L	100
34) Benzene	8.32	78	475603	27.587	ug/L	100
35) Trichloroethene	9.09	95	121447	26.329	ug/L	99
36) Methylcyclohexane	9.34	83	204624	26.840	ug/L	99
40) 1,2-Dichloropropane	9.37	63	131542	28.146	ug/L	99
41) Bromodichloromethane	9.65	83	158433	27.533	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	181157	27.509	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	251158	61.130	ug/L	100
44) Toluene	10.39	91	511442	28.311	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	169707	27.939	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	102114	28.113	ug/L	98
47) Tetrachloroethene	10.87	164	100184	26.930	ug/L	96
49) 2-Hexanone	10.98	43	193277	60.764	ug/L	99
50) Dibromochloromethane	11.13	129	116785	28.701	ug/L	97
51) 1,2-Dibromoethane	11.24	107	99913	28.164	ug/L	98
52) Chlorobenzene	11.66	112	322127	27.811	ug/L	98
53) Ethylbenzene	11.74	91	568090	29.051	ug/L	99
54) m,p-Xylene	11.85	106	214733	29.794	ug/L	99
55) o-xylene	12.17	106	201394	29.214	ug/L	99
56) Styrene	12.19	104	355058	29.814	ug/L	100
57) Isopropylbenzene	12.47	105	554742	29.350	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	148471	28.597	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	115446	28.725	ug/L	99
62) Bromoform	12.35	173	75625	27.813	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	242295	27.304	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	261220	27.454	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	244611	28.286	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	28230	28.001	ug/L	95
67) 1,3,5-Trichlorobenzene	14.64	180	189977	27.074	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	155171	27.575	ug/L	99
69) Naphthalene	15.38	128	390718	30.838	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	158438	29.592	ug/L	99

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

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