

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082418\
 Data File : VW004961.D
 Acq On : 25 Aug 2018 02:31
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 4.48G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02582

Quant Time: Aug 25 04:53:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 01:34:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	552691	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	560260	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	288782	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	224735	21.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.04%
7) Chloroethane-d5	2.89	69	168494	21.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.00%
10) 1,1-Dichloroethene-d2	4.03	63	289069	21.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.68%
20) 2-Butanone-d5	7.09	46	118522	55.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.50%
24) Chloroform-d	7.66	84	259751	21.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.68%
26) 1,2-Dichloroethane-d4	8.31	65	142070	21.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.24%
29) Benzene-d6	8.28	84	665880	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
33) 1,2-Dichloropropane-d6	9.28	67	184729	21.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.28%
37) Toluene-d8	10.33	98	718459	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.12%
38) trans-1,3-Dichloropropene-	10.59	79	74774	20.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.08%
39) 2-Hexanone-d5	10.93	63	118961	56.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.42%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	207258	24.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.44%
61) 1,2-Dichlorobenzene-d4	13.86	152	263638	22.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.92%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	274887	26.440 ug/L	98
3) Chloromethane	2.21	50	298927	25.371 ug/L	100
5) Vinyl chloride	2.36	62	309845	25.965 ug/L	100
6) Bromomethane	2.78	94	165660	26.500 ug/L	100
8) Chloroethane	2.92	64	169226	25.375 ug/L	97
9) Trichlorofluoromethane	3.27	101	305738	25.318 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	190785	26.411 ug/L	99
12) 1,1-Dichloroethene	4.05	96	158133	24.576 ug/L	91
13) Acetone	4.15	43	94375	57.308 ug/L	99
14) Carbon disulfide	4.39	76	628012	23.555 ug/L	100
15) Methyl Acetate	4.68	43	105469	28.324 ug/L	97
16) Methylene chloride	4.93	84	240908	22.479 ug/L	95
17) Methyl tert-butyl Ether	5.44	73	338139	24.329 ug/L	100
18) trans-1,2-Dichloroethene	5.43	96	166140	24.796 ug/L	98
19) 1,1-Dichloroethane	6.23	63	286185	23.399 ug/L	95
21) 2-Butanone	7.18	43	142736	56.288 ug/L	99
22) cis-1,2-Dichloroethene	7.18	96	170846	23.629 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	85078	22.284	ug/L	99
25) Chloroform	7.68	83	293290	23.925	ug/L	99
27) 1,2-Dichloroethane	8.41	62	188070	23.406	ug/L	99
30) Cyclohexane	7.96	56	335913	28.165	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	288196	26.707	ug/L	100
32) Carbon tetrachloride	8.07	117	266408	27.601	ug/L	97
34) Benzene	8.33	78	820222	25.676	ug/L	100
35) Trichloroethene	9.10	95	196705	24.763	ug/L	99
36) Methylcyclohexane	9.34	83	391983	26.679	ug/L	100
40) 1,2-Dichloropropane	9.37	63	189302	24.090	ug/L	99
41) Bromodichloromethane	9.65	83	207928	24.014	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	250072	22.925	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	324015	55.856	ug/L	99
44) Toluene	10.40	91	998963	26.040	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	223584	22.600	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	145500	23.722	ug/L	100
47) Tetrachloroethene	10.87	164	205600	26.438	ug/L	99
49) 2-Hexanone	10.98	43	265500	59.226	ug/L	99
50) Dibromochloromethane	11.13	129	160154	23.519	ug/L	100
51) 1,2-Dibromoethane	11.24	107	144619	24.019	ug/L	96
52) Chlorobenzene	11.66	112	626249	24.574	ug/L	99
53) Ethylbenzene	11.74	91	1125098	26.063	ug/L	99
54) m,p-Xylene	11.85	106	441919	26.388	ug/L	98
55) o-xylene	12.17	106	400788	25.614	ug/L	93
56) Styrene	12.19	104	687850	25.585	ug/L	99
57) Isopropylbenzene	12.47	105	1130361	27.045	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	223840	25.606	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	174412	25.892	ug/L	97
62) Bromoform	12.35	173	110780	24.194	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	490396	24.648	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	509800	24.475	ug/L	96
65) 1,2-Dichlorobenzene	13.88	146	469350	24.620	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	44914	27.783	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	392212	24.637	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	313067	24.356	ug/L	99
69) Naphthalene	15.38	128	711962	27.250	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	312490	25.811	ug/L	100

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

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