

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072418\
 Data File : VW004168.D
 Acq On : 24 Jul 2018 11:27
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02597

Quant Time: Jul 24 17:48:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 23 15:53:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	361938	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	346317	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	178783	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	66948	18.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.80%
7) Chloroethane-d5	2.88	69	53630	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.12%
10) 1,1-Dichloroethene-d2	4.01	63	191963	22.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.40%
20) 2-Butanone-d5	7.08	46	96420	45.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.86%
24) Chloroform-d	7.65	84	221769	25.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.28%
26) 1,2-Dichloroethane-d4	8.31	65	128865	24.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.64%
29) Benzene-d6	8.27	84	392680	24.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.80%
33) 1,2-Dichloropropane-d6	9.27	67	139004	25.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.76%
37) Toluene-d8	10.32	98	354911	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.36%
38) trans-1,3-Dichloropropene-	10.58	79	59643	25.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.32%
39) 2-Hexanone-d5	10.93	63	71163	49.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.68%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	148750	25.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	146636	25.51	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	43357	18.710 ug/L	# 88
3) Chloromethane	2.21	50	81857	22.096 ug/L	97
5) Vinyl chloride	2.36	62	117959	21.145 ug/L	96
6) Bromomethane	2.78	94	64751	21.864 ug/L	99
8) Chloroethane	2.92	64	63012	21.547 ug/L	96
9) Trichlorofluoromethane	3.25	101	58417	21.018 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	124121	25.113 ug/L	97
12) 1,1-Dichloroethene	4.03	96	120455	25.002 ug/L	95
13) Acetone	4.12	43	87147	38.182 ug/L	100
14) Carbon disulfide	4.37	76	371903	23.860 ug/L	99
15) Methyl Acetate	4.67	43	81877	21.028 ug/L	99
16) Methylene chloride	4.91	84	136446	19.651 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	234353	25.151 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	129381	26.084 ug/L	99
19) 1,1-Dichloroethane	6.21	63	251233	26.623 ug/L	98
21) 2-Butanone	7.18	43	114478	40.424 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	142892	26.952 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66418	26.644	ug/L	97
25) Chloroform	7.68	83	254990	26.461	ug/L	99
27) 1,2-Dichloroethane	8.40	62	181405	25.542	ug/L	98
30) Cyclohexane	7.95	56	216929	25.683	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	195978	24.882	ug/L	98
32) Carbon tetrachloride	8.07	117	189897	24.990	ug/L	100
34) Benzene	8.32	78	564448	26.589	ug/L	100
35) Trichloroethene	9.09	95	144588	25.456	ug/L	99
36) Methylcyclohexane	9.34	83	247092	26.321	ug/L	100
40) 1,2-Dichloropropane	9.37	63	152700	26.534	ug/L	99
41) Bromodichloromethane	9.65	83	187286	26.432	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	220555	27.199	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	227911	45.050	ug/L	100
44) Toluene	10.39	91	606887	27.283	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	201074	26.884	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	113073	25.281	ug/L	98
47) Tetrachloroethene	10.87	164	116906	25.521	ug/L	97
49) 2-Hexanone	10.98	43	179201	45.753	ug/L	100
50) Dibromochloromethane	11.13	129	134505	26.845	ug/L	96
51) 1,2-Dibromoethane	11.24	107	108582	24.857	ug/L	99
52) Chlorobenzene	11.66	112	382838	26.842	ug/L	98
53) Ethylbenzene	11.74	91	679649	28.226	ug/L	100
54) m,p-Xylene	11.85	106	252889	28.496	ug/L	100
55) o-xylene	12.17	106	240461	28.328	ug/L	99
56) Styrene	12.19	104	421235	28.726	ug/L	98
57) Isopropylbenzene	12.47	105	656919	28.226	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	150376	23.522	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	113041	22.842	ug/L	99
62) Bromoform	12.35	173	82534	24.462	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	291683	26.489	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	309331	26.200	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	285334	26.590	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	25910	20.711	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	230293	26.448	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	184774	26.461	ug/L	99
69) Naphthalene	15.38	128	401727	25.552	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	181019	27.247	ug/L	99

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

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