

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\
 Data File : VW007156.D
 Acq On : 03 Dec 2018 09:51
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02590

Quant Time: Dec 04 03:13:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 30 15:51:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	168516	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	164755	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	82523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	30285	21.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.48%
7) Chloroethane-d5	2.89	69	22540	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
10) 1,1-Dichloroethene-d2	4.03	63	82920	22.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.80%
20) 2-Butanone-d5	7.08	46	26071	44.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.82%
24) Chloroform-d	7.65	84	80294	22.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	8.31	65	45533	22.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.12%
29) Benzene-d6	8.28	84	164384	21.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.00%
33) 1,2-Dichloropropane-d6	9.27	67	49140	21.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.64%
37) Toluene-d8	10.32	98	174348	21.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.24%
38) trans-1,3-Dichloropropene-	10.58	79	23922	21.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.28%
39) 2-Hexanone-d5	10.93	63	22867	43.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	44538	21.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	66881	21.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	73637	23.909	ug/L 99
3) Chloromethane	2.22	50	52530	24.420	ug/L 97
5) Vinyl chloride	2.36	62	47274	24.550	ug/L 97
6) Bromomethane	2.78	94	28113	25.449	ug/L 99
8) Chloroethane	2.93	64	24237	23.357	ug/L 97
9) Trichlorofluoromethane	3.27	101	88723	24.592	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	51302	24.096	ug/L 99
12) 1,1-Dichloroethene	4.04	96	46459	24.766	ug/L 96
13) Acetone	4.12	43	18105	44.513	ug/L 99
14) Carbon disulfide	4.39	76	153357	23.100	ug/L 98
15) Methyl Acetate	4.68	43	24111	23.906	ug/L 99
16) Methylene chloride	4.92	84	58011	21.533	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	121001	25.096	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	50376	24.287	ug/L 98
19) 1,1-Dichloroethane	6.22	63	85832	25.017	ug/L 99
21) 2-Butanone	7.18	43	27537	44.102	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	54121	24.402	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	23496	24.347	ug/L	92
25) Chloroform	7.68	83	93216	25.042	ug/L	100
27) 1,2-Dichloroethane	8.40	62	60567	24.527	ug/L	99
30) Cyclohexane	7.96	56	85347	23.766	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	85665	25.110	ug/L	99
32) Carbon tetrachloride	8.07	117	76704	24.773	ug/L	100
34) Benzene	8.33	78	201007	23.544	ug/L	100
35) Trichloroethene	9.09	95	54285	23.452	ug/L	99
36) Methylcyclohexane	9.34	83	99006	23.035	ug/L	99
40) 1,2-Dichloropropane	9.37	63	49494	24.169	ug/L #	94
41) Bromodichloromethane	9.65	83	65975	24.608	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	79792	24.532	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	67539	44.570	ug/L	99
44) Toluene	10.39	91	244966	23.946	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	69006	24.148	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	38009	23.569	ug/L	98
47) Tetrachloroethene	10.87	164	47763	23.621	ug/L	97
49) 2-Hexanone	10.97	43	46303	45.140	ug/L	98
50) Dibromochloromethane	11.13	129	47274	24.067	ug/L	98
51) 1,2-Dibromoethane	11.24	107	38346	23.465	ug/L #	97
52) Chlorobenzene	11.66	112	158882	23.558	ug/L	97
53) Ethylbenzene	11.73	91	283284	23.886	ug/L	99
54) m,p-Xylene	11.84	106	111276	24.046	ug/L	94
55) o-xylene	12.17	106	104316	24.308	ug/L	95
56) Styrene	12.18	104	178689	24.622	ug/L	98
57) Isopropylbenzene	12.47	105	286879	24.040	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	47359	23.110	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	36943	23.067	ug/L	98
62) Bromoform	12.35	173	27426	24.272	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	131678	24.248	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	131639	24.100	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	119851	24.119	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	9405	23.339	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	94719	23.225	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	79764	23.006	ug/L	100
69) Naphthalene	15.38	128	169035	22.898	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	69661	23.026	ug/L	99

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

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