

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041319\
 Data File : VW009970.D
 Acq On : 13 Apr 2019 18:21
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02502

Quant Time: Apr 13 21:34:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 13 21:30:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	507191	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	488904	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	251415	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	143780	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
7) Chloroethane-d5	2.89	69	127627	20.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.96%
10) 1,1-Dichloroethene-d2	4.01	63	378625	26.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	106.12%
20) 2-Butanone-d5	7.08	46	153571	71.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.54%#
24) Chloroform-d	7.65	84	368670	26.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.56%
26) 1,2-Dichloroethane-d4	8.31	65	227069	26.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.88%
29) Benzene-d6	8.27	84	683506	26.63	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.52%
33) 1,2-Dichloropropane-d6	9.27	67	211833	26.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.88%
37) Toluene-d8	10.32	98	622362	26.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.92%
38) trans-1,3-Dichloropropene-	10.58	79	95163	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.68%
39) 2-Hexanone-d5	10.93	63	108920	72.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	145.80%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	219944	29.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	119.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	220495	24.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.96%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	162784	24.365	ug/L 87
3) Chloromethane	2.21	50	158910	23.015	ug/L 99
5) Vinyl chloride	2.37	62	201814	22.787	ug/L 96
6) Bromomethane	2.78	94	127682	20.835	ug/L 99
8) Chloroethane	2.92	64	131682	22.654	ug/L 97
9) Trichlorofluoromethane	3.25	101	132918	24.465	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	199087	28.172	ug/L 96
12) 1,1-Dichloroethene	4.03	96	192663	28.600	ug/L 90
13) Acetone	4.12	43	140624	60.905	ug/L 98
14) Carbon disulfide	4.37	76	511214	24.414	ug/L 98
15) Methyl Acetate	4.67	43	145132	34.474	ug/L 99
16) Methylene chloride	4.91	84	202122	22.596	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	275833	29.723	ug/L 98
18) trans-1,2-Dichloroethene	5.41	96	195552	27.912	ug/L 96
19) 1,1-Dichloroethane	6.21	63	400846	29.814	ug/L 97
21) 2-Butanone	7.17	43	213997	72.875	ug/L 100
22) cis-1,2-Dichloroethene	7.16	96	218906	29.215	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	100437	29.216	ug/L	95
25) Chloroform	7.67	83	411838	29.243	ug/L	100
27) 1,2-Dichloroethane	8.40	62	316888	29.750	ug/L	97
30) Cyclohexane	7.95	56	340197	29.482	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	320072	28.859	ug/L	99
32) Carbon tetrachloride	8.06	117	313792	28.220	ug/L	98
34) Benzene	8.32	78	860313	29.247	ug/L	100
35) Trichloroethene	9.09	95	220549	28.650	ug/L	99
36) Methylcyclohexane	9.34	83	371912	29.386	ug/L	98
40) 1,2-Dichloropropane	9.37	63	226464	30.076	ug/L	98
41) Bromodichloromethane	9.64	83	303513	29.213	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	339529	29.106	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	435321	74.427	ug/L	100
44) Toluene	10.38	91	926023	29.718	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	303101	30.138	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	175553	31.061	ug/L	98
47) Tetrachloroethene	10.86	164	170111	28.058	ug/L	98
49) 2-Hexanone	10.97	43	336212	77.200	ug/L	100
50) Dibromochloromethane	11.13	129	202961	29.230	ug/L	97
51) 1,2-Dibromoethane	11.23	107	172337	30.423	ug/L	99
52) Chlorobenzene	11.66	112	575322	28.683	ug/L	99
53) Ethylbenzene	11.73	91	1056541	29.765	ug/L	100
54) m,p-Xylene	11.84	106	389712	29.684	ug/L	99
55) o-xylene	12.16	106	370960	29.668	ug/L	100
56) Styrene	12.18	104	654772	30.180	ug/L	100
57) Isopropylbenzene	12.46	105	1032100	30.145	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	251888	33.143	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	192259	33.984	ug/L	98
62) Bromoform	12.35	173	127685	28.885	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	429732	27.631	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	456679	27.536	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	417506	28.060	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	46048	31.794	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	323253	28.013	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	253807	27.388	ug/L	99
69) Naphthalene	15.37	128	601291	32.282	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	251138	28.969	ug/L	99

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

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