

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009665.D
 Acq On : 03 Apr 2019 17:07
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Apr 04 02:01:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 03 14:53:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	509118	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	481261	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	241937	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	155408	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.32%
7) Chloroethane-d5	2.89	69	141549	23.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.76%
10) 1,1-Dichloroethene-d2	4.02	63	334247	23.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.32%
20) 2-Butanone-d5	7.08	46	117714	54.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.84%
24) Chloroform-d	7.64	84	316983	22.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	8.30	65	194369	22.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.16%
29) Benzene-d6	8.27	84	602044	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
33) 1,2-Dichloropropane-d6	9.27	67	177079	22.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.76%
37) Toluene-d8	10.32	98	557901	23.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.52%
38) trans-1,3-Dichloropropene-	10.57	79	90382	24.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.16%
39) 2-Hexanone-d5	10.93	63	88373	60.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.18%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	184751	25.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.88%
61) 1,2-Dichlorobenzene-d4	13.86	152	205069	24.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	153960	22.957	ug/L 99
3) Chloromethane	2.21	50	167911	24.227	ug/L 99
5) Vinyl chloride	2.37	62	212646	23.919	ug/L 97
6) Bromomethane	2.78	94	138414	22.501	ug/L 98
8) Chloroethane	2.93	64	139033	23.828	ug/L 97
9) Trichlorofluoromethane	3.25	101	124597	22.847	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	152307	21.471	ug/L 98
12) 1,1-Dichloroethene	4.04	96	159063	23.523	ug/L 89
13) Acetone	4.12	43	135114	58.298	ug/L 100
14) Carbon disulfide	4.38	76	491084	23.364	ug/L 98
15) Methyl Acetate	4.67	43	101794	24.088	ug/L 99
16) Methylene chloride	4.92	84	184263	20.522	ug/L 100
17) Methyl tert-butyl Ether	5.42	73	221701	23.800	ug/L 99
18) trans-1,2-Dichloroethene	5.41	96	160991	22.892	ug/L 99
19) 1,1-Dichloroethane	6.21	63	304819	22.586	ug/L 97
21) 2-Butanone	7.17	43	161844	54.906	ug/L 100
22) cis-1,2-Dichloroethene	7.16	96	173486	23.065	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	79250	22.966	ug/L	93
25) Chloroform	7.66	83	312021	22.072	ug/L	99
27) 1,2-Dichloroethane	8.40	62	241207	22.559	ug/L	99
30) Cyclohexane	7.95	56	282781	24.895	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	255479	23.401	ug/L	99
32) Carbon tetrachloride	8.06	117	259114	23.673	ug/L	100
34) Benzene	8.32	78	672779	23.235	ug/L	100
35) Trichloroethene	9.09	95	175995	23.225	ug/L	99
36) Methylcyclohexane	9.33	83	305848	24.550	ug/L	99
40) 1,2-Dichloropropane	9.37	63	165511	22.330	ug/L	99
41) Bromodichloromethane	9.64	83	232201	22.704	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	268468	23.380	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	302041	52.460	ug/L	100
44) Toluene	10.38	91	722021	23.539	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	238535	24.094	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	129568	23.289	ug/L	95
47) Tetrachloroethene	10.86	164	138450	23.198	ug/L	97
49) 2-Hexanone	10.97	43	243046	56.693	ug/L	99
50) Dibromochloromethane	11.13	129	159273	23.302	ug/L	98
51) 1,2-Dibromoethane	11.23	107	131611	23.603	ug/L	98
52) Chlorobenzene	11.66	112	451762	22.881	ug/L	99
53) Ethylbenzene	11.73	91	825573	23.628	ug/L	99
54) m,p-Xylene	11.84	106	308582	23.878	ug/L	99
55) o-xylene	12.16	106	293215	23.822	ug/L	100
56) Styrene	12.18	104	513526	24.045	ug/L	99
57) Isopropylbenzene	12.46	105	818008	24.271	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	180457	24.122	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	138595	24.887	ug/L	100
62) Bromoform	12.35	173	98103	23.062	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	342348	22.875	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	363577	22.781	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	332498	23.222	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	34439	24.710	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	260401	23.450	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	214175	24.016	ug/L	98
69) Naphthalene	15.37	128	471625	26.313	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	204619	24.528	ug/L	99

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

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