

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\
 Data File : VW009472.D
 Acq On : 26 Mar 2019 18:38
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02598

Quant Time: Mar 27 08:03:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:46:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	449364	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	421877	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	222826	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	118344	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.16%
7) Chloroethane-d5	2.89	69	126120	20.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.28%
10) 1,1-Dichloroethene-d2	4.01	63	271701	23.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.64%
20) 2-Butanone-d5	7.07	46	99216	44.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.36%
24) Chloroform-d	7.64	84	282237	23.02	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.08%
26) 1,2-Dichloroethane-d4	8.31	65	166050	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.92%
29) Benzene-d6	8.27	84	517095	22.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.92%
33) 1,2-Dichloropropane-d6	9.27	67	157102	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.92%
37) Toluene-d8	10.32	98	483066	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.80%
38) trans-1,3-Dichloropropene-	10.57	79	75217	21.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.72%
39) 2-Hexanone-d5	10.93	63	79674	47.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	161960	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.12%
61) 1,2-Dichlorobenzene-d4	13.85	152	186581	21.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	134918	22.791	ug/L	94
3) Chloromethane	2.21	50	146404	23.311	ug/L	100
5) Vinyl chloride	2.37	62	195669	30.268	ug/L	98
6) Bromomethane	2.78	94	133929	24.729	ug/L	96
8) Chloroethane	2.92	64	131945	24.670	ug/L	93
9) Trichlorofluoromethane	3.26	101	126875	24.847	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	148512	25.184	ug/L	93
12) 1,1-Dichloroethene	4.03	96	144105	26.042	ug/L	88
13) Acetone	4.12	43	93812	51.512	ug/L	100
14) Carbon disulfide	4.37	76	398509	26.759	ug/L	99
15) Methyl Acetate	4.67	43	81807	22.866	ug/L	99
16) Methylene chloride	4.92	84	146111	22.297	ug/L	93
17) Methyl tert-butyl Ether	5.42	73	185141	23.646	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	144720	24.875	ug/L	97
19) 1,1-Dichloroethane	6.21	63	268905	25.349	ug/L	97
21) 2-Butanone	7.17	43	119103	47.365	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	154456	24.508	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69761	23.078	ug/L	91
25) Chloroform	7.67	83	282872	25.463	ug/L	100
27) 1,2-Dichloroethane	8.40	62	206589	24.943	ug/L	96
30) Cyclohexane	7.95	56	246286	25.705	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	231072	27.424	ug/L	99
32) Carbon tetrachloride	8.06	117	234222	27.552	ug/L	97
34) Benzene	8.32	78	594188	25.732	ug/L	100
35) Trichloroethene	9.09	95	159720	25.958	ug/L	97
36) Methylcyclohexane	9.33	83	269302	25.298	ug/L	99
40) 1,2-Dichloropropane	9.37	63	150680	25.429	ug/L	98
41) Bromodichloromethane	9.64	83	208584	25.406	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	239499	24.816	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	250555	46.664	ug/L	99
44) Toluene	10.38	91	655475	25.963	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	206957	24.652	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	115695	24.474	ug/L	96
47) Tetrachloroethene	10.86	164	131646	25.322	ug/L	95
49) 2-Hexanone	10.97	43	193192	51.087	ug/L	98
50) Dibromochloromethane	11.13	129	142104	24.351	ug/L	96
51) 1,2-Dibromoethane	11.23	107	114041	23.797	ug/L	97
52) Chlorobenzene	11.66	112	409005	25.258	ug/L	96
53) Ethylbenzene	11.73	91	750290	26.433	ug/L	100
54) m,p-Xylene	11.84	106	284976	26.426	ug/L	99
55) o-xylene	12.16	106	267704	25.446	ug/L	99
56) Styrene	12.18	104	466655	25.998	ug/L	98
57) Isopropylbenzene	12.46	105	751900	26.680	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	160120	25.108	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	118157	24.965	ug/L	100
62) Bromoform	12.35	173	88114	23.404	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	322306	24.270	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	337462	24.578	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	308466	24.356	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	27879	22.461	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	248890	24.028	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	207150	23.808	ug/L	99
69) Naphthalene	15.37	128	427931	23.723	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	195467	23.986	ug/L	98

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

