

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032319\
 Data File : VW009393.D
 Acq On : 23 Mar 2019 16:47
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02523

Quant Time: Mar 23 22:48:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 22:42:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	431242	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	410359	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	214289	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	117099	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
7) Chloroethane-d5	2.89	69	119095	19.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.00%
10) 1,1-Dichloroethene-d2	4.02	63	258240	23.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.76%
20) 2-Butanone-d5	7.07	46	101652	47.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.40%
24) Chloroform-d	7.64	84	280529	23.84	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.36%
26) 1,2-Dichloroethane-d4	8.30	65	167249	23.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.36%
29) Benzene-d6	8.27	84	522148	23.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.28%
33) 1,2-Dichloropropane-d6	9.27	67	160189	23.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.28%
37) Toluene-d8	10.32	98	488575	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.40%
38) trans-1,3-Dichloropropene-	10.57	79	74507	21.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.32%
39) 2-Hexanone-d5	10.93	63	81344	49.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	164202	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	187634	22.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	112316	19.771	ug/L #	80
3) Chloromethane	2.21	50	127425	21.142	ug/L	100
5) Vinyl chloride	2.37	62	164732	26.554	ug/L	99
6) Bromomethane	2.78	94	112830	21.709	ug/L	100
8) Chloroethane	2.93	64	113428	22.099	ug/L	95
9) Trichlorofluoromethane	3.26	101	89323	18.228	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	128903	22.778	ug/L	97
12) 1,1-Dichloroethene	4.04	96	126763	23.871	ug/L	87
13) Acetone	4.12	43	78203	44.746	ug/L	96
14) Carbon disulfide	4.38	76	366374	25.635	ug/L	99
15) Methyl Acetate	4.66	43	76491	22.278	ug/L	96
16) Methylene chloride	4.92	84	131872	20.970	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	157587	20.973	ug/L #	90
18) trans-1,2-Dichloroethene	5.42	96	127040	22.754	ug/L	100
19) 1,1-Dichloroethane	6.21	63	240382	23.613	ug/L	99
21) 2-Butanone	7.17	43	107942	44.730	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	136786	22.616	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	64679	22.296	ug/L	97
25) Chloroform	7.67	83	255785	23.993	ug/L	99
27) 1,2-Dichloroethane	8.40	62	189440	23.833	ug/L	97
30) Cyclohexane	7.95	56	212795	22.833	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	198968	24.277	ug/L	100
32) Carbon tetrachloride	8.07	117	200719	24.273	ug/L	100
34) Benzene	8.32	78	535365	23.835	ug/L	100
35) Trichloroethene	9.09	95	137617	22.994	ug/L	99
36) Methylcyclohexane	9.33	83	237453	22.932	ug/L	98
40) 1,2-Dichloropropane	9.37	63	132843	23.048	ug/L	100
41) Bromodichloromethane	9.64	83	186090	23.302	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	211347	22.514	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	230628	44.159	ug/L	99
44) Toluene	10.38	91	583770	23.771	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	187901	23.010	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	107613	23.403	ug/L	97
47) Tetrachloroethene	10.86	164	118189	23.372	ug/L	98
49) 2-Hexanone	10.97	43	171314	46.573	ug/L	100
50) Dibromochloromethane	11.13	129	131068	23.091	ug/L	94
51) 1,2-Dibromoethane	11.23	107	104685	22.458	ug/L	99
52) Chlorobenzene	11.66	112	368998	23.427	ug/L	100
53) Ethylbenzene	11.73	91	663348	24.026	ug/L	99
54) m,p-Xylene	11.84	106	248793	23.719	ug/L	92
55) o-xylene	12.17	106	236542	23.115	ug/L	99
56) Styrene	12.18	104	418967	23.996	ug/L	96
57) Isopropylbenzene	12.47	105	656255	23.940	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	144563	23.305	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	107108	23.266	ug/L	98
62) Bromoform	12.35	173	81609	22.540	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	288118	22.560	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	301506	22.834	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	276793	22.726	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	26985	22.607	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	230675	23.157	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	185297	22.145	ug/L	99
69) Naphthalene	15.37	128	389126	22.431	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	179150	22.859	ug/L	98

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

