

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042419\
 Data File : VW010111.D
 Acq On : 24 Apr 2019 12:37
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV18

Quant Time: Apr 25 01:34:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042419S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 24 12:33:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	855552	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	801469	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	390431	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	198880	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.28%
7) Chloroethane-d5	2.89	69	167733	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.28%
10) 1,1-Dichloroethene-d2	4.01	63	574265	23.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.72%
20) 2-Butanone-d5	7.07	46	204341	52.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.82%
24) Chloroform-d	7.64	84	563964	24.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.04%
26) 1,2-Dichloroethane-d4	8.30	65	333538	25.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.16%
29) Benzene-d6	8.27	84	1108556	24.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.68%
33) 1,2-Dichloropropane-d6	9.27	67	347096	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	10.32	98	1017195	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.68%
38) trans-1,3-Dichloropropene-	10.58	79	162883	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.92%
39) 2-Hexanone-d5	10.93	63	165123	55.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	299342	25.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	354594	24.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	290893	25.274	ug/L	98
3) Chloromethane	2.22	50	239235	26.559	ug/L	98
5) Vinyl chloride	2.37	62	252266	24.789	ug/L	99
6) Bromomethane	2.77	94	159539	25.708	ug/L	98
8) Chloroethane	2.92	64	155313	25.236	ug/L	99
9) Trichlorofluoromethane	3.25	101	120804	21.804	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	259422	24.120	ug/L	96
12) 1,1-Dichloroethene	4.03	96	268767	24.243	ug/L	95
13) Acetone	4.12	43	143029	49.073	ug/L	98
14) Carbon disulfide	4.37	76	828293	25.777	ug/L	100
15) Methyl Acetate	4.67	43	178073	25.823	ug/L	98
16) Methylene chloride	4.91	84	286267	23.872	ug/L	96
17) Methyl tert-butyl Ether	5.42	73	394920	26.987	ug/L	99
18) trans-1,2-Dichloroethene	5.41	96	292042	24.801	ug/L	97
19) 1,1-Dichloroethane	6.21	63	551170	24.731	ug/L	98
21) 2-Butanone	7.17	43	237087	52.460	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	322048	25.542	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	144340	26.066	ug/L	98
25) Chloroform	7.67	83	553888	25.174	ug/L	99
27) 1,2-Dichloroethane	8.40	62	415553	25.629	ug/L	100
30) Cyclohexane	7.95	56	521793	25.082	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	421476	24.452	ug/L	99
32) Carbon tetrachloride	8.06	117	411537	24.116	ug/L	99
34) Benzene	8.32	78	1211910	24.860	ug/L	100
35) Trichloroethene	9.09	95	313902	24.415	ug/L	99
36) Methylcyclohexane	9.33	83	539112	25.021	ug/L	100
40) 1,2-Dichloropropane	9.37	63	317320	25.223	ug/L	99
41) Bromodichloromethane	9.64	83	411299	25.299	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	504012	25.760	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	519373	53.582	ug/L	100
44) Toluene	10.38	91	1288383	24.966	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	445537	26.389	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	237097	25.976	ug/L	98
47) Tetrachloroethene	10.86	164	245752	25.050	ug/L	98
49) 2-Hexanone	10.97	43	378910	55.307	ug/L	100
50) Dibromochloromethane	11.13	129	284275	25.992	ug/L	97
51) 1,2-Dibromoethane	11.23	107	236393	26.063	ug/L	98
52) Chlorobenzene	11.66	112	815659	24.980	ug/L	99
53) Ethylbenzene	11.73	91	1462317	25.247	ug/L	99
54) m,p-Xylene	11.84	106	543297	25.358	ug/L	98
55) o-xylene	12.16	106	525164	25.849	ug/L	99
56) Styrene	12.18	104	908726	26.300	ug/L	98
57) Isopropylbenzene	12.46	105	1408140	25.474	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	305118	26.392	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	226511	25.891	ug/L	99
62) Bromoform	12.35	173	166922	25.732	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	620921	24.995	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	635502	24.652	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	582966	25.372	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	53558	25.077	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	464015	25.472	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	387755	26.162	ug/L	98
69) Naphthalene	15.37	128	895070	24.454	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	365431	26.333	ug/L	99

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

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