

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010180.D
 Acq On : 29 Apr 2019 14:11
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV31

Quant Time: Apr 29 15:10:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 29 15:05:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	698825	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	655785	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	332200	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	160960	20.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.20%
7) Chloroethane-d5	2.89	69	139354	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.76%
10) 1,1-Dichloroethene-d2	4.01	63	364084	20.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.60%
20) 2-Butanone-d5	7.07	46	145484	49.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.52%
24) Chloroform-d	7.64	84	387072	21.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.48%
26) 1,2-Dichloroethane-d4	8.31	65	227589	21.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.48%
29) Benzene-d6	8.27	84	741727	21.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.04%
33) 1,2-Dichloropropane-d6	9.27	67	230435	20.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.56%
37) Toluene-d8	10.32	98	681186	21.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.84%
38) trans-1,3-Dichloropropene-	10.57	79	109987	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.56%
39) 2-Hexanone-d5	10.93	63	121177	52.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	216251	22.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	259671	21.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	246143	25.074	ug/L 100
3) Chloromethane	2.21	50	214388	25.949	ug/L 99
5) Vinyl chloride	2.37	62	246671	24.334	ug/L 96
6) Bromomethane	2.78	94	144942	25.036	ug/L 97
8) Chloroethane	2.92	64	148355	24.547	ug/L 99
9) Trichlorofluoromethane	3.25	101	119769	21.724	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	190536	22.607	ug/L 99
12) 1,1-Dichloroethene	4.03	96	196219	23.127	ug/L 95
13) Acetone	4.12	43	109734	47.488	ug/L 100
14) Carbon disulfide	4.38	76	585795	23.962	ug/L 98
15) Methyl Acetate	4.67	43	132552	26.421	ug/L 100
16) Methylene chloride	4.90	84	234259	20.145	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	302542	27.430	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	214120	23.887	ug/L 99
19) 1,1-Dichloroethane	6.21	63	403871	24.271	ug/L 99
21) 2-Butanone	7.17	43	174949	53.987	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	242938	25.062	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	113420	25.449	ug/L	95
25) Chloroform	7.67	83	419216	24.587	ug/L	99
27) 1,2-Dichloroethane	8.40	62	306571	25.406	ug/L	99
30) Cyclohexane	7.95	56	360448	24.274	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	324463	23.681	ug/L	99
32) Carbon tetrachloride	8.07	117	322682	23.727	ug/L	99
34) Benzene	8.32	78	897153	24.379	ug/L	100
35) Trichloroethene	9.09	95	233664	23.813	ug/L	100
36) Methylcyclohexane	9.34	83	389466	23.851	ug/L	100
40) 1,2-Dichloropropane	9.37	63	235153	24.625	ug/L	100
41) Bromodichloromethane	9.64	83	315572	25.136	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	375156	25.254	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	381730	56.718	ug/L	99
44) Toluene	10.38	91	973306	24.712	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	331149	25.624	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	184569	25.860	ug/L	97
47) Tetrachloroethene	10.86	164	191736	23.548	ug/L	96
49) 2-Hexanone	10.97	43	279498	58.092	ug/L	99
50) Dibromochloromethane	11.13	129	226311	25.535	ug/L	96
51) 1,2-Dibromoethane	11.24	107	180888	25.888	ug/L	97
52) Chlorobenzene	11.66	112	628018	24.342	ug/L	99
53) Ethylbenzene	11.73	91	1096309	24.585	ug/L	100
54) m,p-Xylene	11.84	106	412251	24.565	ug/L	99
55) o-xylene	12.16	106	397820	25.077	ug/L	99
56) Styrene	12.18	104	703172	25.595	ug/L	99
57) Isopropylbenzene	12.46	105	1075216	24.907	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	233122	26.227	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	177131	26.732	ug/L	99
62) Bromoform	12.35	173	137442	25.748	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	493591	24.602	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	509081	24.135	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	472362	24.996	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	43161	27.507	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	380885	24.674	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	313975	25.117	ug/L	99
69) Naphthalene	15.37	128	685682	26.787	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	297229	25.161	ug/L	99

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

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