

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073019\
 Data File : VW011571.D
 Acq On : 30 Jul 2019 11:57
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV04

Manual Integrations
 APPROVED

MMDadoda
 8/1/2019 5:46:15 PM

Quant Time: Jul 31 02:58:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 30 12:12:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	364152	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	324793	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	154068	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	119337	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
7) Chloroethane-d5	2.89	69	89136	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.52%
10) 1,1-Dichloroethene-d2	4.02	63	282221	24.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.04%
20) 2-Butanone-d5	7.07	46	113466	49.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.28%
24) Chloroform-d	7.65	84	226380	22.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.56%
26) 1,2-Dichloroethane-d4	8.31	65	137035	23.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.60%
29) Benzene-d6	8.27	84	461326	22.59	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.36%
33) 1,2-Dichloropropane-d6	9.27	67	150185	22.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.12%
37) Toluene-d8	10.32	98	415292	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.64%
38) trans-1,3-Dichloropropene-	10.58	79	66223	22.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.68%
39) 2-Hexanone-d5	10.92	63	76202	49.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.96%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	129616	23.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	139880	23.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	120958	29.638	ug/L	98
3) Chloromethane	2.21	50	139343	26.249	ug/L	99
5) Vinyl chloride	2.36	62	178294	26.324	ug/L	98
6) Bromomethane	2.78	94	88682	27.774	ug/L	100
8) Chloroethane	2.92	64	95858	27.061	ug/L	97
9) Trichlorofluoromethane	3.26	101	88217	25.569	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	138602m	26.498	ug/L	
12) 1,1-Dichloroethene	4.04	96	136268	26.054	ug/L	98
13) Acetone	4.12	43	127339	51.496	ug/L	96
14) Carbon disulfide	4.39	76	454577	26.686	ug/L	99
15) Methyl Acetate	4.67	43	110928	27.437	ug/L	99
16) Methylene chloride	4.92	84	144725	25.467	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	237144	27.227	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	140972	26.088	ug/L	100
19) 1,1-Dichloroethane	6.21	63	283984	26.308	ug/L	99
21) 2-Butanone	7.17	43	167881	54.149	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	151529	26.804	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	62983	26.185	ug/L	98
25) Chloroform	7.67	83	260434	26.175	ug/L	100
27) 1,2-Dichloroethane	8.40	62	195558	26.551	ug/L	99
30) Cyclohexane	7.95	56	302696	26.811	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	206604	26.106	ug/L	99
32) Carbon tetrachloride	8.07	117	195065	26.200	ug/L	99
34) Benzene	8.32	78	597964	26.272	ug/L	100
35) Trichloroethene	9.09	95	149048	25.795	ug/L	99
36) Methylcyclohexane	9.34	83	277783	26.500	ug/L	99
40) 1,2-Dichloropropane	9.37	63	159916	26.322	ug/L	100
41) Bromodichloromethane	9.65	83	188225	26.254	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	242234	26.656	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	309968	56.310	ug/L	100
44) Toluene	10.38	91	614165	26.560	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	203497	26.915	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	109464	26.427	ug/L	99
47) Tetrachloroethene	10.86	164	113119	25.630	ug/L	94
49) 2-Hexanone	10.97	43	235077	55.430	ug/L	99
50) Dibromochloromethane	11.13	129	123111	26.965	ug/L	93
51) 1,2-Dibromoethane	11.23	107	109061	27.058	ug/L #	99
52) Chlorobenzene	11.66	112	363705	26.070	ug/L	100
53) Ethylbenzene	11.73	91	684878	26.558	ug/L	98
54) m,p-Xylene	11.84	106	250978	26.765	ug/L	99
55) o-xylene	12.16	106	238127	26.983	ug/L	99
56) Styrene	12.18	104	409471	27.292	ug/L	99
57) Isopropylbenzene	12.46	105	652503	26.876	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	148014	26.890	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	116383	27.413	ug/L	100
62) Bromoform	12.35	173	73817	26.780	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	278537	26.637	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	277948	26.469	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	256844	27.125	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	28103	28.676	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	212274	27.580	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	181093	29.216	ug/L	99
69) Naphthalene	15.36	128	390815	31.309	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	166740	29.045	ug/L	98

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

