

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072718\
 Data File : VW004229.D
 Acq On : 26 Jul 2018 14:30
 Operator : SY/AP
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV90

Quant Time: Jul 27 01:50:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072618S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 26 14:18:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	352370	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	320820	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	160450	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	82858	23.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.44%
7) Chloroethane-d5	2.89	69	60682	23.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.08%
10) 1,1-Dichloroethene-d2	4.01	63	207736	24.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.12%
20) 2-Butanone-d5	7.08	46	114179	56.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.70%
24) Chloroform-d	7.65	84	208157	23.07	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.28%
26) 1,2-Dichloroethane-d4	8.31	65	124866	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.04%
29) Benzene-d6	8.28	84	417938	24.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.32%
33) 1,2-Dichloropropane-d6	9.27	67	133565	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.48%
37) Toluene-d8	10.32	98	399872	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.52%
38) trans-1,3-Dichloropropene-	10.58	79	63112	24.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.36%
39) 2-Hexanone-d5	10.93	63	85185	57.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.64%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	141221	24.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	144131	24.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.00	85	59069	25.20	ug/L	99
3) Chloromethane	2.21	50	85616	25.87	ug/L	99
5) Vinyl chloride	2.36	62	114287	25.88	ug/L	94
6) Bromomethane	2.77	94	63366	25.62	ug/L	100
8) Chloroethane	2.92	64	61298	25.83	ug/L	100
9) Trichlorofluoromethane	3.25	101	55993	26.20	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	111566	26.50	ug/L	97
12) 1,1-Dichloroethene	4.03	96	107758	26.44	ug/L	88
13) Acetone	4.12	43	136286	67.21	ug/L	100
14) Carbon disulfide	4.37	76	351868	26.82	ug/L	99
15) Methyl Acetate	4.67	43	98696	29.26	ug/L	100
16) Methylene chloride	4.91	84	117143	23.71	ug/L	100
17) Methyl tert-butyl Ether	5.42	73	214902	26.56	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	116519	27.15	ug/L	97
19) 1,1-Dichloroethane	6.21	63	219235	26.22	ug/L	99
21) 2-Butanone	7.17	43	155137	60.70	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	126660	26.55	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	57491	25.45	ug/L	99
25) Chloroform	7.67	83	219546	25.61	ug/L	99
27) 1,2-Dichloroethane	8.40	62	157474	24.97	ug/L	99
30) Cyclohexane	7.95	56	210276	29.62	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	173395	26.78	ug/L	99
32) Carbon tetrachloride	8.07	117	170534	27.08	ug/L	99
34) Benzene	8.32	78	494768	26.83	ug/L	100
35) Trichloroethene	9.09	95	127133	26.20	ug/L	100
36) Methylcyclohexane	9.34	83	223916	27.61	ug/L	98
40) 1,2-Dichloropropane	9.37	63	130368	26.03	ug/L	100
41) Bromodichloromethane	9.65	83	159129	25.73	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	191774	26.33	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	261721	58.67	ug/L	99
44) Toluene	10.39	91	526939	27.03	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	176237	26.38	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100634	25.88	ug/L	99
47) Tetrachloroethene	10.87	164	104926	27.03	ug/L	94
49) 2-Hexanone	10.97	43	213361	61.04	ug/L	97
50) Dibromochloromethane	11.13	129	114939	25.92	ug/L	98
51) 1,2-Dibromoethane	11.24	107	98775	26.06	ug/L	90
52) Chlorobenzene	11.66	112	323691	26.05	ug/L	96
53) Ethylbenzene	11.74	91	576369	27.40	ug/L	97
54) m,p-Xylene	11.84	106	216259	27.34	ug/L	97
55) o-xylene	12.17	106	198161	26.76	ug/L	96
56) Styrene	12.19	104	353019	27.51	ug/L	97
57) Isopropylbenzene	12.47	105	557635	27.72	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	147460	26.60	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	114803	26.94	ug/L	99
62) Bromoform	12.35	173	74641	25.91	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	247545	26.22	ug/L	99
64) 1,4-Dichlorobenzene	13.59	146	262373	26.32	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	238169	25.89	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	29828	28.88	ug/L	94
67) 1,3,5-Trichlorobenzene	14.64	180	195457	26.77	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	158969	26.69	ug/L	99
69) Naphthalene	15.38	128	397390	29.04	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	156074	27.09	ug/L	99

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

