

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040619\
 Data File : VW009777.D
 Acq On : 06 Apr 2019 17:18
 Operator : SY/VA
 Sample : K2327-01
 Misc : 6.02G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF2R7

Quant Time: Apr 07 04:01:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Apr 07 03:56:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.79	114	49	25.00	ug/L	-0.05
28) Chlorobenzene-d5	11.63	117	726	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	482	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	60	93.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	374.28%#
7) Chloroethane-d5	2.71	69	247	420.47	ug/L	-0.18
Spiked Amount	25.000	Range	30 - 150	Recovery	=	1681.88%#
10) 1,1-Dichloroethene-d2	4.03	63	108	78.32	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	313.28%#
20) 2-Butanone-d5	7.08	46	70	336.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	672.48%#
24) Chloroform-d	7.65	84	211	157.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	631.24%#
26) 1,2-Dichloroethane-d4	8.31	65	125	152.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	609.12%#
29) Benzene-d6	8.29	84	87	2.28	ug/L	0.02
Spiked Amount	25.000	Range	20 - 135	Recovery	=	9.12%#
33) 1,2-Dichloropropane-d6	9.29	67	46	3.91	ug/L	0.02
Spiked Amount	25.000	Range	70 - 120	Recovery	=	15.64%#
37) Toluene-d8	10.33	98	373	10.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	42.36%
38) trans-1,3-Dichloropropene-	10.57	79	22	3.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	15.68%#
39) 2-Hexanone-d5	10.92	63	477	214.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	429.98%#
48) 1,1,2,2-Tetrachloroethane-	12.68	84	199	18.18	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	398	23.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.25	85	20	30.985	ug/L #	49
3) Chloromethane	2.20	50	384	575.668	ug/L	91
5) Vinyl chloride	2.46	62	72	84.149	ug/L	88
6) Bromomethane	2.78	94	51	86.140	ug/L	22
8) Chloroethane	2.78	64	83	147.798	ug/L	86
9) Trichlorofluoromethane	3.53	101	57	108.596	ug/L	84
12) 1,1-Dichloroethene	4.04	96	55	84.509	ug/L #	60
13) Acetone	4.12	43	70613	316560.494	ug/L	97
14) Carbon disulfide	4.38	76	69	34.109	ug/L #	75
15) Methyl Acetate	4.67	43	177	435.189	ug/L #	54
16) Methylene chloride	4.92	84	1990	2302.771	ug/L	80
17) Methyl tert-butyl Ether	5.52	73	104	116.000	ug/L #	1
18) trans-1,2-Dichloroethene	5.40	96	202	298.441	ug/L #	48
21) 2-Butanone	7.17	43	219	771.955	ug/L #	1
22) cis-1,2-Dichloroethene	7.16	96	20267	27996.867	ug/L	99
25) Chloroform	7.67	83	4122	3029.586	ug/L	78
27) 1,2-Dichloroethane	8.40	62	98	95.232	ug/L #	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

30) Cyclohexane	7.95	56	73	4.260	ug/L #	17
31) 1,1,1-Trichloroethane	7.96	97	44	2.672	ug/L #	1
34) Benzene	8.32	78	77	1.763	ug/L	100
35) Trichloroethene	9.09	95	26831	2347.173	ug/L	99
36) Methylcyclohexane	9.35	83	40	2.128	ug/L #	1
40) 1,2-Dichloropropane	9.25	63	43	3.846	ug/L #	85
41) Bromodichloromethane	9.35	83	40	2.593	ug/L #	25
42) cis-1,3-Dichloropropene	10.04	75	52	3.002	ug/L #	45
43) 4-Methyl-2-pentanone	10.19	43	170	19.573	ug/L #	47
44) Toluene	10.38	91	2009	43.417	ug/L #	76
45) trans-1,3-Dichloropropene	10.48	75	57	3.817	ug/L #	1
46) 1,1,2-Trichloroethane	10.73	97	68	8.102	ug/L #	17
47) Tetrachloroethene	10.86	164	16535017	1836586.512	ug/L	87
49) 2-Hexanone	10.98	43	161	24.895	ug/L #	85
50) Dibromochloromethane	11.12	129	371	35.981	ug/L #	12
52) Chlorobenzene	11.66	112	898	30.150	ug/L #	85
53) Ethylbenzene	11.74	91	113	2.144	ug/L #	44
54) m,p-Xylene	11.83	106	72	3.693	ug/L	100
57) Isopropylbenzene	12.16	105	44	0.865	ug/L #	54
58) 1,1,2,2-Tetrachloroethane	12.48	83	52	4.608	ug/L #	25
59) 1,2,3-Trichloropropane	12.75	75	74	8.809	ug/L #	1
63) 1,3-Dichlorobenzene	13.57	146	79	2.650	ug/L #	65
64) 1,4-Dichlorobenzene	13.57	146	79	2.485	ug/L #	65
65) 1,2-Dichlorobenzene	13.57	146	79	2.769	ug/L #	64
67) 1,3,5-Trichlorobenzene	15.57	180	44	1.989	ug/L #	19
70) 1,2,3-Trichlorobenzene	15.57	180	44	2.647	ug/L #	13

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

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