

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009675.D
 Acq On : 04 Apr 2019 00:00
 Operator : SY/VA
 Sample : K2148-17
 Misc : 5.98G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5J3

Quant Time: Apr 05 15:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 08:15:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	272	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	813	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.59	152	109215	25.00	ug/L	0.03

System Monitoring Compounds

4) Vinyl Chloride-d3	2.39	65	173	48.60	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	194.40%#
7) Chloroethane-d5	2.88	69	161	49.37	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	197.48%#
10) 1,1-Dichloroethene-d2	4.01	63	66	8.62	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	34.48%#
20) 2-Butanone-d5	7.07	46	57	49.32	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.64%
24) Chloroform-d	7.61	84	49	6.60	ug/L	-0.03
Spiked Amount	25.000	Range	40 - 150	Recovery	=	26.40%#
26) 1,2-Dichloroethane-d4	8.57	65	369	80.98	ug/L	0.27
Spiked Amount	25.000	Range	70 - 130	Recovery	=	323.92%#
29) Benzene-d6	8.28	84	125	2.93	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	11.72%#
33) 1,2-Dichloropropane-d6	9.33	67	13366	1013.95	ug/L	0.06
Spiked Amount	25.000	Range	70 - 120	Recovery	=	4055.80%#
37) Toluene-d8	10.32	98	38375	972.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	3890.00%#
38) trans-1,3-Dichloropropene-	10.60	79	1476	234.77	ug/L	0.02
Spiked Amount	25.000	Range	30 - 135	Recovery	=	939.08%#
39) 2-Hexanone-d5	10.94	63	2196	883.84	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1767.68%#
48) 1,1,2,2-Tetrachloroethane-	12.71	84	177584	14490.44	ug/L	0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	=	57961.76%#
61) 1,2-Dichlorobenzene-d4	13.88	152	175069	45.68	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	=	182.72%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.04	85	46	12.838	ug/L #	49
3) Chloromethane	2.37	50	148	39.970	ug/L	90
5) Vinyl chloride	2.43	62	84	17.686	ug/L #	43
6) Bromomethane	2.78	94	484	147.268	ug/L	56
8) Chloroethane	3.00	64	148	47.477	ug/L	85
9) Trichlorofluoromethane	3.45	101	73	25.055	ug/L	79
12) 1,1-Dichloroethene	4.02	96	113	31.278	ug/L #	1
13) Acetone	4.12	43	103764	83800.369	ug/L	99
14) Carbon disulfide	4.38	76	8534	759.967	ug/L	99
15) Methyl Acetate	4.67	43	1906	844.217	ug/L #	82
16) Methylene chloride	4.92	84	39644	8264.229	ug/L	95
17) Methyl tert-butyl Ether	5.24	73	62	12.458	ug/L #	1
18) trans-1,2-Dichloroethene	5.52	96	54	14.372	ug/L #	1
19) 1,1-Dichloroethane	6.20	63	52	7.212	ug/L #	49
21) 2-Butanone	7.18	43	22848	14508.532	ug/L	99
22) cis-1,2-Dichloroethene	6.87	96	64	15.927	ug/L #	1
25) Chloroform	7.64	83	47	6.223	ug/L	82

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

27) 1,2-Dichloroethane	8.54	62	45	7.878	ug/L #	1
30) Cyclohexane	7.96	56	884	46.069	ug/L #	1
31) 1,1,1-Trichloroethane	8.10	97	42	2.277	ug/L #	15
34) Benzene	8.32	78	1382	28.254	ug/L	100
35) Trichloroethene	9.10	95	50	3.906	ug/L #	21
36) Methylcyclohexane	9.34	83	89519	4253.528	ug/L #	78
40) 1,2-Dichloropropane	9.38	63	208	16.612	ug/L #	85
41) Bromodichloromethane	9.66	83	110	6.367	ug/L #	25
42) cis-1,3-Dichloropropene	9.98	75	76	3.918	ug/L #	1
43) 4-Methyl-2-pentanone	10.25	43	21741	2235.290	ug/L #	78
44) Toluene	10.38	91	11651	224.848	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	121	7.235	ug/L #	1
46) 1,1,2-Trichloroethane	10.76	97	278378	29619.371	ug/L #	26
47) Tetrachloroethene	10.86	164	820	81.333	ug/L #	74
49) 2-Hexanone	10.94	43	1290709	178222.730	ug/L #	28
50) Dibromochloromethane	11.16	129	217	18.793	ug/L	88
51) 1,2-Dibromoethane	11.23	107	1244	132.062	ug/L #	1
52) Chlorobenzene	11.67	112	2355	70.607	ug/L #	1
53) Ethylbenzene	11.73	91	7225	122.403	ug/L #	69
54) m,p-Xylene	11.83	106	931	42.644	ug/L #	1
55) o-xylene	12.16	106	1210	58.193	ug/L #	1
56) Styrene	12.19	104	883	24.475	ug/L #	1
57) Isopropylbenzene	12.47	105	314507	5523.982	ug/L #	88
58) 1,1,2,2-Tetrachloroethane	12.69	83	603863	47781.737	ug/L #	96
59) 1,2,3-Trichloropropane	12.75	75	433	46.026	ug/L #	42
66) 1,2-Dibromo-3-chloropropan	14.51	75	26054	41.411	ug/L #	37
67) 1,3,5-Trichlorobenzene	14.66	180	3562	0.711	ug/L #	1
68) 1,2,4-trichlorobenzene	15.12	180	21757	5.405	ug/L #	1
69) Naphthalene	15.37	128	18400	2.274	ug/L #	69
70) 1,2,3-Trichlorobenzene	15.53	180	110189	29.260	ug/L #	1

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

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