

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022519\
 Data File : VW008818.D
 Acq On : 25 Feb 2019 20:16
 Operator : SY/VA
 Sample : K1560-02L0010PPB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT1-2019

Quant Time: Feb 26 04:55:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422055	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	414223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	232308	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	149843	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
35) Dibromofluoromethane	7.88	113	138387	54.61	ug/l	0.00
Spiked Amount			Recovery	=	109.22%	
50) Toluene-d8	10.32	98	557872	57.03	ug/l	0.00
Spiked Amount			Recovery	=	114.06%	
62) 4-Bromofluorobenzene	12.62	95	218777	57.12	ug/l	0.00
Spiked Amount			Recovery	=	114.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	28752	9.966	ug/l	95
3) Chloromethane	2.21	50	34956	9.954	ug/l	98
4) Vinyl Chloride	2.36	62	34987	9.410	ug/l	94
5) Bromomethane	2.76	94	30164	10.922	ug/l	93
6) Chloroethane	2.91	64	26232	9.935	ug/l	98
7) Trichlorofluoromethane	3.26	101	47304	10.059	ug/l	95
8) Diethyl Ether	3.68	74	14479	9.725	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	29296	10.259	ug/l	99
10) Methyl Iodide	4.27	142	28495	7.979	ug/l	96
11) Tert butyl alcohol	5.17	59	12301	51.144	ug/l #	89
12) 1,1-Dichloroethene	4.04	96	25570	10.139	ug/l	98
13) Acrolein	3.90	56	9644	54.787	ug/l	90
14) Allyl chloride	4.67	41	43998	10.108	ug/l	97
15) Acrylonitrile	5.37	53	32130	50.286	ug/l	99
16) Acetone	4.13	43	27666	44.180	ug/l	94
17) Carbon Disulfide	4.38	76	78498	9.381	ug/l	100
18) Methyl Acetate	4.68	43	13807	9.296	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	67840	9.938	ug/l	99
20) Methylene Chloride	4.92	84	36721	7.568	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	29846	10.231	ug/l	95
22) Diisopropyl ether	6.31	45	91575	10.546	ug/l #	86
23) Vinyl Acetate	6.26	43	259038	48.284	ug/l	99
24) 1,1-Dichloroethane	6.21	63	50249	9.987	ug/l	97
25) 2-Butanone	7.17	43	41588	47.503	ug/l	97
26) 2,2-Dichloropropane	7.17	77	44434	9.727	ug/l	98
27) cis-1,2-Dichloroethene	7.18	96	33202	10.639	ug/l	97
28) Bromochloromethane	7.51	49	22037	10.466	ug/l	94
29) Tetrahydrofuran	7.52	42	26832	48.093	ug/l	98
30) Chloroform	7.68	83	54693	10.596	ug/l	95
31) Cyclohexane	7.95	56	52151	10.239	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	48066	10.239	ug/l	98
36) 1,1-Dichloropropene	8.08	75	40950	9.967	ug/l	98
37) Ethyl Acetate	7.26	43	19107	10.001	ug/l #	95
38) Carbon Tetrachloride	8.07	117	41844	9.658	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	47926	9.352	ug/l	98
40) Benzene	8.32	78	114676	10.223	ug/l	94
41) Methacrylonitrile	7.48	41	9063	8.070	ug/l	94
42) 1,2-Dichloroethane	8.40	62	35884	10.099	ug/l	98
43) Isopropyl Acetate	8.42	43	36933	9.686	ug/l	98
44) Trichloroethene	9.09	130	33384	10.565	ug/l	97
45) 1,2-Dichloropropane	9.37	63	29026	10.471	ug/l	96
46) Dibromomethane	9.46	93	15463	10.029	ug/l	99
47) Bromodichloromethane	9.65	83	37055	9.878	ug/l	94
48) Methyl methacrylate	9.44	41	17213	9.426	ug/l	98
49) 1,4-Dioxane	9.45	88	5435	220.115	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	91403	47.216	ug/l	99
52) Toluene	10.39	92	81443	10.698	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	35736	9.346	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	43466	9.967	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	22276	10.653	ug/l	96
56) Ethyl methacrylate	10.65	69	26506	9.757	ug/l	97
57) 1,3-Dichloropropane	10.93	76	37601	10.185	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.92	63	67553	49.441	ug/l	100
59) 2-Hexanone	10.97	43	62585	45.416	ug/l	99
60) Dibromochloromethane	11.13	129	24612	9.650	ug/l	97
61) 1,2-Dibromoethane	11.24	107	20758	10.029	ug/l	98
64) Tetrachloroethene	10.86	164	31218	10.529	ug/l	95
65) Chlorobenzene	11.66	112	90889	10.435	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	29334	9.960	ug/l	98
67) Ethyl Benzene	11.73	91	156309	10.039	ug/l	99
68) m/p-Xylenes	11.84	106	125389	20.155	ug/l	99
69) o-Xylene	12.16	106	58797	10.069	ug/l	100
70) Styrene	12.18	104	91302	9.719	ug/l	99
71) Bromoform	12.35	173	14866	9.391	ug/l #	96
73) Isopropylbenzene	12.46	105	154804	9.720	ug/l	97
74) N-amyl acetate	12.27	43	36757	9.163	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	24696	9.490	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	21225m	11.066	ug/l	
77) Bromobenzene	12.74	156	39996	10.628	ug/l	96
78) n-propylbenzene	12.80	91	194642	9.991	ug/l	98
79) 2-Chlorotoluene	12.89	91	114488	10.351	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	139205	10.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	6752	8.558	ug/l	98
82) 4-Chlorotoluene	12.99	91	118639	10.179	ug/l	99
83) tert-Butylbenzene	13.21	119	117754	9.840	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	142592	9.953	ug/l	99
85) sec-Butylbenzene	13.38	105	168668	9.802	ug/l	99
86) p-Isopropyltoluene	13.50	119	151909	9.630	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	79664	10.203	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	80875	10.509	ug/l	98
89) n-Butylbenzene	13.83	91	142861	9.667	ug/l	99
90) Hexachloroethane	14.10	117	24738	9.580	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	71142	10.226	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4635	9.847	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	52811	10.535	ug/l	100
94) Hexachlorobutadiene	15.24	225	30867	10.454	ug/l	99
95) Naphthalene	15.37	128	79132	9.272	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	44408	10.246	ug/l	98

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

