

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100919\
 Data File : VW013499.D
 Acq On : 09 Oct 2019 13:09
 Operator : SY/VA
 Sample : K5111-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT4-2019DL

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 4:40:20 PM

Quant Time: Oct 10 03:49:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 10 03:44:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	358895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	515246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	441277	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217775	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142881	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
35) Dibromofluoromethane	7.88	113	148477	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.32	98	621627	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.62	95	208426	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	2772	2.332	ug/l	94
3) Chloromethane	2.21	50	6530	3.125	ug/l	99
4) Vinyl Chloride	2.36	62	8232	2.671	ug/l	92
5) Bromomethane	2.78	94	5425	2.950	ug/l	95
6) Chloroethane	2.92	64	4806	2.776	ug/l	99
7) Trichlorofluoromethane	3.26	101	4215	2.890	ug/l	95
8) Diethyl Ether	3.68	74	4341	2.876	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	8451	2.812	ug/l	96
10) Methyl Iodide	4.27	142	12906	2.712	ug/l	100
11) Tert butyl alcohol	5.18	59	3847	16.397	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	8260	2.652	ug/l #	91
13) Acrolein	3.90	56	577	2.553	ug/l	89
14) Allyl chloride	4.66	41	13157	2.749	ug/l	98
15) Acrylonitrile	5.37	53	9082	12.873	ug/l	97
16) Acetone	4.13	43	10700	16.583	ug/l	98
17) Carbon Disulfide	4.38	76	23392	2.675	ug/l	99
18) Methyl Acetate	4.67	43	5767	3.120	ug/l #	51
19) Methyl tert-butyl Ether	5.42	73	13344	2.833	ug/l	95
20) Methylene Chloride	4.91	84	19399	5.461	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	9352	2.825	ug/l	88
22) Diisopropyl ether	6.31	45	24278	2.707	ug/l	96
23) Vinyl Acetate	6.25	43	63224	11.742	ug/l	97
24) 1,1-Dichloroethane	6.22	63	15398	2.809	ug/l	96
25) 2-Butanone	7.18	43	13121	13.798	ug/l	91
26) 2,2-Dichloropropane	7.16	77	12111	3.427	ug/l	89
27) cis-1,2-Dichloroethene	7.17	96	9587	2.737	ug/l	91
28) Bromochloromethane	7.51	49	5413	2.769	ug/l #	99
29) Tetrahydrofuran	7.54	42	7097	12.211	ug/l	96
30) Chloroform	7.67	83	15922	3.003	ug/l	90
31) Cyclohexane	7.95	56	20732	3.573	ug/l #	52
32) 1,1,1-Trichloroethane	7.87	97	11752	2.726	ug/l	99
36) 1,1-Dichloropropene	8.08	75	12973	2.783	ug/l	96
37) Ethyl Acetate	7.26	43	5564	2.631	ug/l #	92
38) Carbon Tetrachloride	8.07	117	11054	2.675	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	17076	2.828	ug/l	98
40) Benzene	8.32	78	36412	2.799	ug/l	96
41) Methacrylonitrile	7.48	41	2878	2.393	ug/l #	94
42) 1,2-Dichloroethane	8.40	62	9520	2.895	ug/l	98
43) Isopropyl Acetate	8.43	43	9387	2.457	ug/l	98
44) Trichloroethene	9.09	130	10473	2.822	ug/l	96
45) 1,2-Dichloropropane	9.37	63	8668	2.776	ug/l	96
46) Dibromomethane	9.46	93	4215	2.709	ug/l	98
47) Bromodichloromethane	9.65	83	10517	2.719	ug/l	97
48) Methyl methacrylate	9.44	41	4178	2.220	ug/l	91
49) 1,4-Dioxane	9.48	88	1085m	39.718	ug/l	
51) 4-Methyl-2-Pentanone	10.21	43	26830	13.357	ug/l	98
52) Toluene	10.38	92	25028	2.986	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	10762	2.678	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	12811	2.631	ug/l #	88
55) 1,1,2-Trichloroethane	10.79	97	6403	2.742	ug/l #	92
56) Ethyl methacrylate	10.65	69	7730	2.458	ug/l	96
57) 1,3-Dichloropropane	10.93	76	10781	2.689	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	15819	10.661	ug/l	97
59) 2-Hexanone	10.97	43	15531	11.276	ug/l	97
60) Dibromochloromethane	11.13	129	6790	2.528	ug/l	91
61) 1,2-Dibromoethane	11.23	107	5743	2.586	ug/l	96
64) Tetrachloroethene	10.86	164	9085	2.797	ug/l	96
65) Chlorobenzene	11.66	112	25065	2.859	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	8157	2.678	ug/l	96
67) Ethyl Benzene	11.73	91	43465	2.712	ug/l	98
68) m/p-Xylenes	11.84	106	33554	5.503	ug/l	98
69) o-Xylene	12.16	106	15635	2.775	ug/l	98
70) Styrene	12.18	104	24464	2.529	ug/l	96
71) Bromoform	12.35	173	4022	2.407	ug/l #	94
73) Isopropylbenzene	12.46	105	42311	2.712	ug/l	100
74) N-amyl acetate	12.27	43	8224	2.411	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	6980	2.625	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	4620m	2.547	ug/l	
77) Bromobenzene	12.74	156	10331	2.794	ug/l	97
78) n-propylbenzene	12.80	91	48902	2.711	ug/l	96
79) 2-Chlorotoluene	12.89	91	29273	2.897	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	35926	2.772	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2191m	2.469	ug/l	
82) 4-Chlorotoluene	12.99	91	30358	2.894	ug/l	99
83) tert-Butylbenzene	13.21	119	31015	2.694	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	36582	2.854	ug/l	99
85) sec-Butylbenzene	13.38	105	43356	2.726	ug/l	99
86) p-Isopropyltoluene	13.50	119	39603	2.710	ug/l	97
87) 1,3-Dichlorobenzene	13.49	146	19853	2.832	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	19899	2.897	ug/l	86
89) n-Butylbenzene	13.82	91	36276	2.748	ug/l	98
90) Hexachloroethane	14.09	117	7147	2.858	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	17731	2.864	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	926	2.185	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	11719	2.679	ug/l	99
94) Hexachlorobutadiene	15.23	225	8618	2.964	ug/l	93
95) Naphthalene	15.36	128	16503	2.181	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	10406	2.720	ug/l	98

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

