

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100919\
 Data File : VW013500.D
 Acq On : 09 Oct 2019 13:35
 Operator : SY/VA
 Sample : K5111-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 4:40:16 PM

Quant Time: Oct 10 03:53:37 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	361761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	511449	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	440304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	224898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133602	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
35) Dibromofluoromethane	7.88	113	138764	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	10.32	98	576426	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.62	95	194511	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	4108	3.428	ug/l	96
3) Chloromethane	2.21	50	9767	4.637	ug/l	98
4) Vinyl Chloride	2.35	62	12927	4.161	ug/l	95
5) Bromomethane	2.78	94	8117	4.379	ug/l	96
6) Chloroethane	2.92	64	7480	4.287	ug/l	98
7) Trichlorofluoromethane	3.25	101	6199	4.217	ug/l	99
8) Diethyl Ether	3.68	74	6497	4.270	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12355	4.078	ug/l	94
10) Methyl Iodide	4.27	142	19631	4.092	ug/l #	92
11) Tert butyl alcohol	5.21	59	5240m	22.157	ug/l	
12) 1,1-Dichloroethene	4.04	96	13050	4.156	ug/l	98
13) Acrolein	3.89	56	1278m	5.609	ug/l	
14) Allyl chloride	4.67	41	19747	4.093	ug/l	98
15) Acrylonitrile	5.37	53	13389	18.828	ug/l	98
16) Acetone	4.13	43	13457	20.690	ug/l	98
17) Carbon Disulfide	4.38	76	35386	4.015	ug/l #	93
18) Methyl Acetate	4.67	43	8766m	4.705	ug/l	
19) Methyl tert-butyl Ether	5.43	73	20192	4.253	ug/l	99
20) Methylene Chloride	4.92	84	21688	6.057	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	13449	4.031	ug/l	91
22) Diisopropyl ether	6.31	45	37995	4.203	ug/l	96
23) Vinyl Acetate	6.25	43	97847	18.028	ug/l	100
24) 1,1-Dichloroethane	6.21	63	23165	4.192	ug/l	96
25) 2-Butanone	7.18	43	19381	20.219	ug/l #	87
26) 2,2-Dichloropropane	7.16	77	17888	5.022	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	15865	4.494	ug/l	98
28) Bromochloromethane	7.52	49	8461	4.293	ug/l #	100
29) Tetrahydrofuran	7.54	42	11492	19.616	ug/l	96
30) Chloroform	7.68	83	24348	4.555	ug/l	96
31) Cyclohexane	7.95	56	28794	4.923	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	18172	4.183	ug/l	98
36) 1,1-Dichloropropene	8.08	75	19905	4.302	ug/l	98
37) Ethyl Acetate	7.25	43	8246	3.928	ug/l #	94
38) Carbon Tetrachloride	8.07	117	16850	4.108	ug/l #	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	25245	4.212	ug/l	95
40) Benzene	8.32	78	54724	4.237	ug/l	91
41) Methacrylonitrile	7.48	41	3989	3.342	ug/l	92
42) 1,2-Dichloroethane	8.40	62	14333	4.391	ug/l	97
43) Isopropyl Acetate	8.42	43	15303	4.035	ug/l	99
44) Trichloroethene	9.10	130	15354	4.167	ug/l	98
45) 1,2-Dichloropropane	9.37	63	13419	4.329	ug/l	93
46) Dibromomethane	9.46	93	6524	4.225	ug/l	98
47) Bromodichloromethane	9.65	83	16552	4.312	ug/l	99
48) Methyl methacrylate	9.43	41	6413	3.433	ug/l	93
49) 1,4-Dioxane	9.46	88	2008	74.051	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	40220	20.172	ug/l	99
52) Toluene	10.38	92	35447	4.261	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	15895	3.985	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	20108	4.161	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	9315	4.019	ug/l	93
56) Ethyl methacrylate	10.65	69	11324	3.627	ug/l	95
57) 1,3-Dichloropropane	10.93	76	16880	4.241	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	26444	17.954	ug/l	99
59) 2-Hexanone	10.97	43	24160	17.671	ug/l	98
60) Dibromochloromethane	11.13	129	10880	4.081	ug/l	93
61) 1,2-Dibromoethane	11.24	107	9084	4.120	ug/l	100
64) Tetrachloroethene	10.87	164	14356	4.430	ug/l	87
65) Chlorobenzene	11.66	112	36985	4.227	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	12512	4.117	ug/l	99
67) Ethyl Benzene	11.73	91	67862	4.244	ug/l	100
68) m/p-Xylenes	11.84	106	51302	8.432	ug/l	99
69) o-Xylene	12.16	106	23819	4.237	ug/l	98
70) Styrene	12.18	104	39338	4.076	ug/l	99
71) Bromoform	12.35	173	6790	4.072	ug/l #	92
73) Isopropylbenzene	12.46	105	65247	4.050	ug/l	97
74) N-amyl acetate	12.27	43	12530	3.556	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	11390	4.148	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	7302m	3.898	ug/l	
77) Bromobenzene	12.74	156	16013	4.194	ug/l	99
78) n-propylbenzene	12.80	91	76752	4.120	ug/l	97
79) 2-Chlorotoluene	12.89	91	43246	4.144	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	55922	4.178	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3318	3.621	ug/l	96
82) 4-Chlorotoluene	12.99	91	45527	4.203	ug/l	100
83) tert-Butylbenzene	13.21	119	47892	4.029	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	54298	4.102	ug/l	99
85) sec-Butylbenzene	13.38	105	66306	4.037	ug/l	99
86) p-Isopropyltoluene	13.50	119	61447	4.072	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	31069	4.291	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	30967	4.366	ug/l	94
89) n-Butylbenzene	13.82	91	53684	3.938	ug/l	98
90) Hexachloroethane	14.09	117	10248	3.969	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	26586	4.159	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1639	3.744	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	17281	3.825	ug/l	99
94) Hexachlorobutadiene	15.23	225	13128	4.373	ug/l	96
95) Naphthalene	15.36	128	25243	3.230	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	15223	3.853	ug/l	95

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

