

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031020\
 Data File : VW015111.D
 Acq On : 10 Mar 2020 14:09
 Operator : SY/VA
 Sample : L1161-03 2.5PPBMDL
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT1-2020DL

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:22:12 PM

Quant Time: Mar 11 09:21:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030920S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 11 08:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	298630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	571882	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	514900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	219015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	262981	59.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.78%	
35) Dibromofluoromethane	7.88	113	182871	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
50) Toluene-d8	10.32	98	740598	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.62	95	236957	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	4517	2.494	ug/l	99
3) Chloromethane	2.21	50	14662	3.773	ug/l	96
4) Vinyl Chloride	2.36	62	15576	3.062	ug/l	100
5) Bromomethane	2.78	94	8929	3.071	ug/l	88
6) Chloroethane	2.93	64	8531	2.895	ug/l	92
7) Trichlorofluoromethane	3.26	101	7198	2.827	ug/l	96
8) Diethyl Ether	3.68	74	6007	3.097	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12178	3.138	ug/l	96
10) Methyl Iodide	4.26	142	11792	2.731	ug/l	93
11) Tert butyl alcohol	5.15	59	9931	39.354	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	11581	3.052	ug/l	99
13) Acrolein	3.90	56	6590	17.856	ug/l	94
14) Allyl chloride	4.67	41	20815	2.737	ug/l	97
15) Acrylonitrile	5.37	53	18186	18.290	ug/l	97
16) Acetone	4.12	43	25644	25.608	ug/l	96
17) Carbon Disulfide	4.39	76	39218	2.915	ug/l #	95
18) Methyl Acetate	4.67	43	10330	4.352	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	15726	3.238	ug/l	98
20) Methylene Chloride	4.92	84	19482	4.202	ug/l #	93
21) trans-1,2-Dichloroethene	5.43	96	12025	2.985	ug/l	91
22) Diisopropyl ether	6.31	45	37908	2.598	ug/l #	86
23) Vinyl Acetate	6.26	43	114582	13.304	ug/l	98
24) 1,1-Dichloroethane	6.21	63	25363	2.981	ug/l	98
25) 2-Butanone	7.17	43	28566	20.808	ug/l	100
26) 2,2-Dichloropropane	7.17	77	18291	3.759	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	12506	2.982	ug/l	85
28) Bromochloromethane	7.51	49	12899	3.164	ug/l	96
29) Tetrahydrofuran	7.52	42	14868	17.315	ug/l	100
30) Chloroform	7.67	83	23668	3.135	ug/l	99
31) Cyclohexane	7.95	56	33419	3.819	ug/l #	66
32) 1,1,1-Trichloroethane	7.87	97	18299	3.104	ug/l	95
36) 1,1-Dichloropropene	8.08	75	19134	2.885	ug/l	97
37) Ethyl Acetate	7.26	43	12493	3.780	ug/l	99
38) Carbon Tetrachloride	8.07	117	15303	2.834	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	20111	2.652	ug/l	97
40) Benzene	8.32	78	54500	2.957	ug/l	96
41) Methacrylonitrile	7.48	41	5229	2.991	ug/l #	95
42) 1,2-Dichloroethane	8.40	62	19286	3.435	ug/l	98
43) Isopropyl Acetate	8.42	43	18519	3.125	ug/l	94
44) Trichloroethene	9.09	130	11126	2.836	ug/l	88
45) 1,2-Dichloropropane	9.37	63	14329	2.887	ug/l	96
46) Dibromomethane	9.45	93	6863	3.180	ug/l	99
47) Bromodichloromethane	9.64	83	16887	2.931	ug/l	98
48) Methyl methacrylate	9.44	41	7451	2.724	ug/l	99
49) 1,4-Dioxane	9.44	88	2461	74.479	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	48896	14.939	ug/l	99
52) Toluene	10.38	92	29568	2.793	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	15959	2.815	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	17172	2.487	ug/l	89
55) 1,1,2-Trichloroethane	10.79	97	9656	3.265	ug/l	97
56) Ethyl methacrylate	10.65	69	10469	2.744	ug/l	95
57) 1,3-Dichloropropane	10.93	76	16960	3.012	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.92	63	27766	12.402	ug/l	99
59) 2-Hexanone	10.97	43	30767	15.049	ug/l	92
60) Dibromochloromethane	11.12	129	8835	2.893	ug/l	95
61) 1,2-Dibromoethane	11.23	107	8070	3.078	ug/l	94
64) Tetrachloroethene	10.86	164	8551	2.878	ug/l	92
65) Chlorobenzene	11.66	112	29761	2.880	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	9720	2.824	ug/l	97
67) Ethyl Benzene	11.73	91	49433	2.458	ug/l	97
68) m/p-Xylenes	11.84	106	32226	4.533	ug/l	99
69) o-Xylene	12.16	106	14836	2.317	ug/l	98
70) Styrene	12.18	104	23548	2.146	ug/l	100
71) Bromoform	12.35	173	4393	2.876	ug/l #	95
73) Isopropylbenzene	12.46	105	39345	2.352	ug/l	96
74) N-amyl acetate	12.27	43	13107	2.651	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	12072	3.553	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	10144m	4.098	ug/l	
77) Bromobenzene	12.74	156	9768	2.954	ug/l	89
78) n-propylbenzene	12.80	91	56723	2.609	ug/l	98
79) 2-Chlorotoluene	12.89	91	32182	2.633	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	33995	2.363	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	3233m	2.950	ug/l	
82) 4-Chlorotoluene	12.99	91	33973	2.610	ug/l	97
83) tert-Butylbenzene	13.20	119	26607	2.283	ug/l	93
84) 1,2,4-Trimethylbenzene	13.25	105	32518	2.261	ug/l	95
85) sec-Butylbenzene	13.38	105	42720	2.422	ug/l	99
86) p-Isopropyltoluene	13.49	119	34299	2.262	ug/l	96
87) 1,3-Dichlorobenzene	13.50	146	20330	2.902	ug/l	95
88) 1,4-Dichlorobenzene	13.57	146	21270	3.083	ug/l	88
89) n-Butylbenzene	13.82	91	39548	2.419	ug/l	95
90) Hexachloroethane	14.09	117	8569	2.818	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	17560	2.862	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.47	75	2277	4.174	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	8518	2.426	ug/l	98
94) Hexachlorobutadiene	15.24	225	6205	2.814	ug/l	95
95) Naphthalene	15.36	128	13401	2.044	ug/l	96
96) 1,2,3-Trichlorobenzene	15.55	180	7848	2.520	ug/l	97

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

