

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101320\
 Data File : VW016886.D
 Acq On : 12 Oct 2020 17:01
 Operator : SY/VA
 Sample : L4214-03 4PPBMDL
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-03-QT4-2020

Quant Time: Oct 12 23:45:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 12 23:31:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	365037	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	562790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	505538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	254402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	171111	57.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.26%	
35) Dibromofluoromethane	7.89	113	180599	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
50) Toluene-d8	10.33	98	678250	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
62) 4-Bromofluorobenzene	12.62	95	242884	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.01	85	9390	4.716	ug/l	96
3) Chloromethane	2.21	50	10251	4.696	ug/l	100
4) Vinyl Chloride	2.36	62	14552	4.610	ug/l	100
5) Bromomethane	2.78	94	11210	4.624	ug/l	93
6) Chloroethane	2.93	64	8899	4.430	ug/l #	85
7) Trichlorofluoromethane	3.26	101	7663	3.334	ug/l	99
8) Diethyl Ether	3.68	74	6909	4.813	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14441	4.666	ug/l	98
10) Methyl Iodide	4.28	142	22717	4.591	ug/l	98
11) Tert butyl alcohol	5.16	59	6348	43.747	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	14258	4.667	ug/l	89
13) Acrolein	3.90	56	4280	21.817	ug/l	93
14) Allyl chloride	4.67	41	16518	4.517	ug/l	99
15) Acrylonitrile	5.37	53	11770	24.631	ug/l	96
16) Acetone	4.13	43	12317	25.613	ug/l	95
17) Carbon Disulfide	4.39	76	35978	4.427	ug/l	98
18) Methyl Acetate	4.68	43	5978	5.420	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	15669	4.759	ug/l #	89
20) Methylene Chloride	4.92	84	26444	6.939	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	16186	4.720	ug/l	92
22) Diisopropyl ether	6.32	45	31160	4.689	ug/l	95
23) Vinyl Acetate	6.26	43	97712	22.946	ug/l	98
24) 1,1-Dichloroethane	6.22	63	25641	4.866	ug/l	100
25) 2-Butanone	7.18	43	17460	27.234	ug/l	99
26) 2,2-Dichloropropane	7.16	77	17312	5.369	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	17796	4.845	ug/l	94
28) Bromochloromethane	7.52	49	9975	4.729	ug/l	99
29) Tetrahydrofuran	7.54	42	9424	26.243	ug/l	98
30) Chloroform	7.68	83	27542	4.808	ug/l	91
31) Cyclohexane	7.95	56	25279	5.624	ug/l #	79
32) 1,1,1-Trichloroethane	7.88	97	22196	4.593	ug/l	95
36) 1,1-Dichloropropene	8.09	75	21903	4.502	ug/l	99
37) Ethyl Acetate	7.26	43	7112	4.474	ug/l	97
38) Carbon Tetrachloride	8.07	117	21846	4.319	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	23624	4.258	ug/l	99
40) Benzene	8.32	78	62155	4.585	ug/l	100
41) Methacrylonitrile	7.49	41	3880	4.119	ug/l	95
42) 1,2-Dichloroethane	8.40	62	17038	4.595	ug/l	97
43) Isopropyl Acetate	8.43	43	13888	4.561	ug/l	99
44) Trichloroethene	9.10	130	18212	4.340	ug/l	91
45) 1,2-Dichloropropane	9.37	63	14109	4.564	ug/l	97
46) Dibromomethane	9.46	93	7894	4.464	ug/l	95
47) Bromodichloromethane	9.65	83	19553	4.447	ug/l	99
48) Methyl methacrylate	9.44	41	6142	4.377	ug/l	95
49) 1,4-Dioxane	9.45	88	1944	95.581	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	36903	23.955	ug/l	98
52) Toluene	10.39	92	40378	4.506	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	17152	4.285	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	21047	4.305	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	12040	4.784	ug/l	93
56) Ethyl methacrylate	10.65	69	12049	4.401	ug/l	97
57) 1,3-Dichloropropane	10.93	76	19409	4.661	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	30692	20.229	ug/l	99
59) 2-Hexanone	10.98	43	22768	22.338	ug/l	99
60) Dibromochloromethane	11.13	129	13663	4.426	ug/l	99
61) 1,2-Dibromoethane	11.24	107	11383	4.567	ug/l	97
64) Tetrachloroethene	10.87	164	16539	4.592	ug/l	94
65) Chlorobenzene	11.66	112	45078	4.546	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	15094	4.304	ug/l	99
67) Ethyl Benzene	11.73	91	74786	4.328	ug/l	97
68) m/p-Xylenes	11.84	106	58380	8.687	ug/l	100
69) o-Xylene	12.17	106	27377	4.439	ug/l	98
70) Styrene	12.18	104	43452	4.234	ug/l	100
71) Bromoform	12.35	173	7094	4.030	ug/l #	96
73) Isopropylbenzene	12.46	105	73825	4.366	ug/l	99
74) N-amyl acetate	12.27	43	11806	4.347	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	12873	4.852	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	8499m	4.477	ug/l	
77) Bromobenzene	12.75	156	19783	4.733	ug/l	98
78) n-propylbenzene	12.80	91	84946	4.356	ug/l	98
79) 2-Chlorotoluene	12.90	91	49807	4.477	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	62142	4.385	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2901m	4.108	ug/l	
82) 4-Chlorotoluene	12.99	91	52320	4.556	ug/l	99
83) tert-Butylbenzene	13.21	119	53727	4.365	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	62149	4.401	ug/l	99
85) sec-Butylbenzene	13.38	105	74460	4.346	ug/l	100
86) p-Isopropyltoluene	13.50	119	69926	4.383	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	36642	4.533	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	38094	4.782	ug/l	94
89) n-Butylbenzene	13.82	91	61334	4.268	ug/l	99
90) Hexachloroethane	14.09	117	10117	4.110	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	33183	4.758	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1962	4.829	ug/l	92

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93) 1,2,4-Trichlorobenzene	15.13	180	21355	4.438	ug/l	99
94) Hexachlorobutadiene	15.24	225	14655	4.698	ug/l	95
95) Naphthalene	15.36	128	33633	4.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	20061	4.792	ug/l	92

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

