

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016869.D
 Acq On : 09 Oct 2020 19:18
 Operator : SY/VA
 Sample : L4214-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 4:20:54 PM

Quant Time: Oct 12 15:02:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 12 14:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	382088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	573828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	507357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	259005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	168085	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	7.89	113	176763	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.33	98	671227	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	236396	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	8787	4.216	ug/l	96
3) Chloromethane	2.21	50	10850	4.748	ug/l	100
4) Vinyl Chloride	2.37	62	14119	4.273	ug/l	97
5) Bromomethane	2.79	94	11349	4.472	ug/l	93
6) Chloroethane	2.93	64	9151	4.352	ug/l	94
7) Trichlorofluoromethane	3.26	101	9303	3.867	ug/l	89
8) Diethyl Ether	3.68	74	6470	4.306	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14507	4.478	ug/l	97
10) Methyl Iodide	4.28	142	22857	4.414	ug/l	98
11) Tert butyl alcohol	5.16	59	4634	30.510	ug/l	97
12) 1,1-Dichloroethene	4.05	96	13780	4.310	ug/l	99
13) Acrolein	3.90	56	5014	24.418	ug/l	98
14) Allyl chloride	4.68	41	16493	4.309	ug/l	97
15) Acrylonitrile	5.37	53	10879	21.751	ug/l	96
16) Acetone	4.12	43	12536	24.905	ug/l	99
17) Carbon Disulfide	4.40	76	34868	4.099	ug/l	97
18) Methyl Acetate	4.68	43	5578	4.831	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	16285	4.726	ug/l	99
20) Methylene Chloride	4.92	84	23643	5.927	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	15495	4.317	ug/l	97
22) Diisopropyl ether	6.32	45	31109	4.472	ug/l	98
23) Vinyl Acetate	6.26	43	91361	20.497	ug/l	100
24) 1,1-Dichloroethane	6.22	63	24038	4.358	ug/l	98
25) 2-Butanone	7.18	43	14965	22.301	ug/l	100
26) 2,2-Dichloropropane	7.17	77	15297	4.533	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	16931	4.404	ug/l	96
28) Bromochloromethane	7.51	49	10016	4.537	ug/l	97
29) Tetrahydrofuran	7.54	42	8716	23.188	ug/l	98
30) Chloroform	7.68	83	26512	4.421	ug/l	98
31) Cyclohexane	7.96	56	24404	5.187	ug/l #	72
32) 1,1,1-Trichloroethane	7.88	97	21782	4.306	ug/l	97
36) 1,1-Dichloropropene	8.09	75	20919	4.217	ug/l	98
37) Ethyl Acetate	7.26	43	6290	3.881	ug/l #	93
38) Carbon Tetrachloride	8.07	117	20509	3.976	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22668	4.007	ug/l	98
40) Benzene	8.33	78	58839	4.257	ug/l	98
41) Methacrylonitrile	7.50	41	3885	4.045	ug/l	97
42) 1,2-Dichloroethane	8.40	62	16623	4.397	ug/l	97
43) Isopropyl Acetate	8.43	43	13041	4.200	ug/l	96
44) Trichloroethene	9.10	130	18041	4.217	ug/l	100
45) 1,2-Dichloropropane	9.37	63	13450	4.267	ug/l	97
46) Dibromomethane	9.46	93	7798	4.325	ug/l	99
47) Bromodichloromethane	9.65	83	18816	4.197	ug/l	88
48) Methyl methacrylate	9.44	41	5671	3.964	ug/l	96
49) 1,4-Dioxane	9.46	88	1713	82.603	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	34121	21.723	ug/l	98
52) Toluene	10.39	92	38684	4.234	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	15314	3.753	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	19704	3.953	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	10787	4.203	ug/l	94
56) Ethyl methacrylate	10.65	69	11318	4.054	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18668	4.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	29821	19.277	ug/l	98
59) 2-Hexanone	10.98	43	20525	19.750	ug/l	98
60) Dibromochloromethane	11.13	129	12547	3.986	ug/l	100
61) 1,2-Dibromoethane	11.24	107	10944	4.306	ug/l	99
64) Tetrachloroethene	10.87	164	16295	4.508	ug/l	96
65) Chlorobenzene	11.66	112	43729	4.394	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	14578	4.142	ug/l	99
67) Ethyl Benzene	11.73	91	73321	4.228	ug/l	99
68) m/p-Xylenes	11.84	106	55344	8.206	ug/l	99
69) o-Xylene	12.17	106	26232	4.238	ug/l	97
70) Styrene	12.18	104	42076	4.085	ug/l	99
71) Bromoform	12.35	173	6926	3.920	ug/l #	96
73) Isopropylbenzene	12.47	105	71320	4.143	ug/l	99
74) N-amyl acetate	12.27	43	11026	3.987	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	11872	4.395	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8750m	4.528	ug/l	
77) Bromobenzene	12.75	156	18750	4.406	ug/l	97
78) n-propylbenzene	12.80	91	82608	4.161	ug/l	99
79) 2-Chlorotoluene	12.90	91	48293	4.264	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	59256	4.107	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	115096	160.078	ug/l #	11
82) 4-Chlorotoluene	12.99	91	51132	4.373	ug/l	98
83) tert-Butylbenzene	13.21	119	52482	4.188	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	60000	4.174	ug/l	99
85) sec-Butylbenzene	13.38	105	71746	4.114	ug/l	100
86) p-Isopropyltoluene	13.50	119	68614	4.225	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	35583	4.324	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	37312	4.601	ug/l	95
89) n-Butylbenzene	13.82	91	57474	3.928	ug/l	100
90) Hexachloroethane	14.10	117	9953	3.972	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	31391	4.421	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1717	4.151	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	20400	4.164	ug/l	99
94) Hexachlorobutadiene	15.24	225	13773	4.337	ug/l	96
95) Naphthalene	15.37	128	30199	3.793	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	17195	4.035	ug/l	98

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

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