

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016868.D
 Acq On : 09 Oct 2020 18:54
 Operator : SY/VA
 Sample : L4214-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 4:20:52 PM

Quant Time: Oct 12 14:59:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 05:14:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	392801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	584116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	515776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	257708	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	167171	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
35) Dibromofluoromethane	7.89	113	178835	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.33	98	685191	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.62	95	237415	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	5514	2.574	ug/l	100
3) Chloromethane	2.21	50	6968	2.966	ug/l	99
4) Vinyl Chloride	2.37	62	9001	2.650	ug/l	98
5) Bromomethane	2.78	94	7768	2.977	ug/l	96
6) Chloroethane	2.93	64	5483	2.536	ug/l	95
7) Trichlorofluoromethane	3.26	101	6102	2.467	ug/l	99
8) Diethyl Ether	3.68	74	3882	2.513	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.07	101	8716	2.617	ug/l	97
10) Methyl Iodide	4.28	142	13945	2.619	ug/l	98
11) Tert butyl alcohol	5.17	59	3507	22.460	ug/l #	92
12) 1,1-Dichloroethene	4.05	96	8274	2.517	ug/l	92
13) Acrolein	3.90	56	2630	12.459	ug/l	95
14) Allyl chloride	4.68	41	9946	2.528	ug/l	97
15) Acrylonitrile	5.38	53	6234	12.124	ug/l	92
16) Acetone	4.14	43	8703	16.818	ug/l	95
17) Carbon Disulfide	4.39	76	22054	2.522	ug/l	99
18) Methyl Acetate	4.68	43	4004	3.374	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	9672	2.730	ug/l	99
20) Methylene Chloride	4.92	84	21385	5.215	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	9581	2.596	ug/l #	87
22) Diisopropyl ether	6.31	45	18224	2.548	ug/l #	89
23) Vinyl Acetate	6.26	43	51975	11.343	ug/l	97
24) 1,1-Dichloroethane	6.21	63	14095	2.486	ug/l	96
25) 2-Butanone	7.18	43	9982	14.469	ug/l	91
26) 2,2-Dichloropropane	7.17	77	10832	3.122	ug/l	91
27) cis-1,2-Dichloroethene	7.17	96	10434	2.640	ug/l	96
28) Bromochloromethane	7.52	49	6284	2.769	ug/l	96
29) Tetrahydrofuran	7.54	42	4838	12.520	ug/l	95
30) Chloroform	7.68	83	15755	2.556	ug/l	92
31) Cyclohexane	7.96	56	17958	3.713	ug/l #	63
32) 1,1,1-Trichloroethane	7.88	97	13427	2.582	ug/l	97
36) 1,1-Dichloropropene	8.09	75	13452	2.664	ug/l	95
37) Ethyl Acetate	7.26	43	3960	2.400	ug/l #	80
38) Carbon Tetrachloride	8.07	117	12554	2.391	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	14384	2.498	ug/l	98
40) Benzene	8.33	78	35463	2.520	ug/l	99
41) Methacrylonitrile	7.49	41	2065	2.112	ug/l	93
42) 1,2-Dichloroethane	8.40	62	10215	2.654	ug/l	97
43) Isopropyl Acetate	8.43	43	7082	2.241	ug/l	92
44) Trichloroethene	9.10	130	11048	2.537	ug/l	98
45) 1,2-Dichloropropane	9.37	63	7668	2.390	ug/l	94
46) Dibromomethane	9.46	93	4459	2.430	ug/l	97
47) Bromodichloromethane	9.65	83	11252	2.466	ug/l	93
48) Methyl methacrylate	9.44	41	3449	2.368	ug/l	95
49) 1,4-Dioxane	9.47	88	1114	52.772	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	19821	12.397	ug/l	97
52) Toluene	10.39	92	24105	2.592	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	8808	2.120	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	11409	2.249	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	6533	2.501	ug/l	91
56) Ethyl methacrylate	10.65	69	6545	2.303	ug/l	94
57) 1,3-Dichloropropane	10.93	76	10913	2.525	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	18409	11.690	ug/l	98
59) 2-Hexanone	10.98	43	11675	11.036	ug/l	97
60) Dibromochloromethane	11.13	129	7523	2.348	ug/l	95
61) 1,2-Dibromoethane	11.24	107	6281	2.428	ug/l	100
64) Tetrachloroethene	10.87	164	9652	2.627	ug/l	95
65) Chlorobenzene	11.66	112	27127	2.681	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	8235	2.302	ug/l	96
67) Ethyl Benzene	11.73	91	44419	2.520	ug/l	96
68) m/p-Xylenes	11.84	106	33372	4.867	ug/l	98
69) o-Xylene	12.17	106	15368	2.443	ug/l	100
70) Styrene	12.18	104	24892	2.377	ug/l	100
71) Bromoform	12.35	173	3829	2.132	ug/l #	99
73) Isopropylbenzene	12.47	105	42545	2.484	ug/l	99
74) N-amyl acetate	12.28	43	6058	2.202	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	6493	2.416	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	3924m	2.041	ug/l	
77) Bromobenzene	12.75	156	11370	2.685	ug/l	96
78) n-propylbenzene	12.80	91	50607	2.562	ug/l	99
79) 2-Chlorotoluene	12.90	91	30152	2.676	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	35885	2.500	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	1382m	1.932	ug/l	
82) 4-Chlorotoluene	12.99	91	30679	2.637	ug/l	97
83) tert-Butylbenzene	13.21	119	32167	2.580	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	36152	2.527	ug/l	99
85) sec-Butylbenzene	13.38	105	44218	2.548	ug/l	98
86) p-Isopropyltoluene	13.50	119	39690	2.456	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	22360	2.731	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	22288	2.762	ug/l	89
89) n-Butylbenzene	13.82	91	35393	2.431	ug/l	100
90) Hexachloroethane	14.10	117	6141	2.463	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	19105	2.704	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	967	2.350	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	12874	2.641	ug/l	94
94) Hexachlorobutadiene	15.24	225	8428	2.667	ug/l	96
95) Naphthalene	15.36	128	18026	2.275	ug/l	97
96) 1,2,3-Trichlorobenzene	15.55	180	11333	2.672	ug/l	98

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

