

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016870.D
 Acq On : 09 Oct 2020 19:41
 Operator : SY/VA
 Sample : L4214-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2020

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 4:20:56 PM

Quant Time: Oct 12 15:04:20 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	371384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	567242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	503196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	257787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	165156	54.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.34%	
35) Dibromofluoromethane	7.89	113	176758	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.32	98	657634	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.62	95	230109	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10756	5.310	ug/l	94
3) Chloromethane	2.22	50	13352	6.012	ug/l	100
4) Vinyl Chloride	2.37	62	17165	5.344	ug/l	96
5) Bromomethane	2.79	94	14071	5.704	ug/l	98
6) Chloroethane	2.93	64	11335	5.546	ug/l	95
7) Trichlorofluoromethane	3.26	101	11914	5.095	ug/l	95
8) Diethyl Ether	3.69	74	7947	5.441	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	16997	5.398	ug/l	98
10) Methyl Iodide	4.28	142	27513	5.466	ug/l	99
11) Tert butyl alcohol	5.17	59	6178	41.847	ug/l	99
12) 1,1-Dichloroethene	4.05	96	16989	5.466	ug/l	98
13) Acrolein	3.89	56	5805	29.085	ug/l	94
14) Allyl chloride	4.67	41	19606	5.270	ug/l	99
15) Acrylonitrile	5.38	53	13714	28.209	ug/l	97
16) Acetone	4.12	43	14727	30.101	ug/l	99
17) Carbon Disulfide	4.39	76	43391	5.248	ug/l	98
18) Methyl Acetate	4.68	43	7868	7.011	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	19616	5.856	ug/l	93
20) Methylene Chloride	4.93	84	29513	7.612	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	18838	5.399	ug/l	97
22) Diisopropyl ether	6.32	45	36897	5.457	ug/l	96
23) Vinyl Acetate	6.26	43	106443	24.569	ug/l	97
24) 1,1-Dichloroethane	6.23	63	29319	5.469	ug/l	97
25) 2-Butanone	7.18	43	18664	28.614	ug/l	98
26) 2,2-Dichloropropane	7.17	77	19134	5.833	ug/l	93
27) cis-1,2-Dichloroethene	7.18	96	20135	5.388	ug/l	95
28) Bromochloromethane	7.52	49	11949	5.569	ug/l	98
29) Tetrahydrofuran	7.54	42	10545	28.863	ug/l	98
30) Chloroform	7.68	83	31677	5.435	ug/l	96
31) Cyclohexane	7.96	56	27786	6.076	ug/l #	76
32) 1,1,1-Trichloroethane	7.88	97	26963	5.484	ug/l	98
36) 1,1-Dichloropropene	8.09	75	24665	5.030	ug/l	99
37) Ethyl Acetate	7.27	43	7833	4.889	ug/l	98
38) Carbon Tetrachloride	8.07	117	24269	4.760	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	26728	4.780	ug/l	92
40) Benzene	8.33	78	70926	5.191	ug/l	93
41) Methacrylonitrile	7.49	41	5068	5.338	ug/l	92
42) 1,2-Dichloroethane	8.40	62	19840	5.308	ug/l	100
43) Isopropyl Acetate	8.43	43	16034	5.224	ug/l	98
44) Trichloroethene	9.10	130	21413	5.063	ug/l	93
45) 1,2-Dichloropropane	9.37	63	15924	5.111	ug/l	97
46) Dibromomethane	9.46	93	9067	5.088	ug/l	98
47) Bromodichloromethane	9.65	83	21450	4.841	ug/l	93
48) Methyl methacrylate	9.44	41	6900	4.879	ug/l	95
49) 1,4-Dioxane	9.45	88	2085	101.709	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	40348	25.986	ug/l	99
52) Toluene	10.39	92	46454	5.143	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	18483	4.582	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	23362	4.741	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	13339	5.258	ug/l	93
56) Ethyl methacrylate	10.65	69	13242	4.798	ug/l	97
57) 1,3-Dichloropropane	10.93	76	21350	5.087	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	35877	23.461	ug/l	100
59) 2-Hexanone	10.98	43	24844	24.183	ug/l	98
60) Dibromochloromethane	11.13	129	14108	4.534	ug/l	94
61) 1,2-Dibromoethane	11.24	107	12515	4.982	ug/l	98
64) Tetrachloroethene	10.87	164	19216	5.360	ug/l	96
65) Chlorobenzene	11.66	112	52162	5.285	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	17275	4.949	ug/l	99
67) Ethyl Benzene	11.73	91	87522	5.089	ug/l	99
68) m/p-Xylenes	11.84	106	68610	10.257	ug/l	98
69) o-Xylene	12.17	106	31037	5.056	ug/l	100
70) Styrene	12.18	104	50667	4.959	ug/l	98
71) Bromoform	12.35	173	8112	4.629	ug/l #	95
73) Isopropylbenzene	12.47	105	86775	5.064	ug/l	100
74) N-amyl acetate	12.27	43	12911	4.691	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	14425	5.366	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10234m	5.320	ug/l	
77) Bromobenzene	12.75	156	23052	5.443	ug/l	96
78) n-propylbenzene	12.80	91	98899	5.005	ug/l	99
79) 2-Chlorotoluene	12.90	91	57980	5.144	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	73364	5.109	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	2867m	4.006	ug/l	
82) 4-Chlorotoluene	12.99	91	60462	5.196	ug/l	99
83) tert-Butylbenzene	13.21	119	61746	4.951	ug/l	95
84) 1,2,4-Trimethylbenzene	13.25	105	71551	5.001	ug/l	98
85) sec-Butylbenzene	13.38	105	88866	5.119	ug/l	99
86) p-Isopropyltoluene	13.50	119	81082	5.016	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	41850	5.110	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	42514	5.267	ug/l	93
89) n-Butylbenzene	13.82	91	70200	4.821	ug/l	100
90) Hexachloroethane	14.09	117	11515	4.617	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	36281	5.134	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2130	5.174	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	23662	4.853	ug/l	98
94) Hexachlorobutadiene	15.24	225	15976	5.054	ug/l	98
95) Naphthalene	15.37	128	35136	4.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	20855	4.916	ug/l	98

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

