

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015799.D
 Acq On : 07 Jul 2020 18:52
 Operator : SY/VA
 Sample : L3216-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 08 09:14:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:47:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	318160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	140110	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	100494	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	7.89	113	87933	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
50) Toluene-d8	10.32	98	341638	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.62	95	125225	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	5414	5.334	ug/l	100
3) Chloromethane	2.21	50	8481	6.152	ug/l	95
4) Vinyl Chloride	2.36	62	11870	5.577	ug/l	98
5) Bromomethane	2.78	94	8992	5.521	ug/l	90
6) Chloroethane	2.93	64	7651	5.326	ug/l	96
7) Trichlorofluoromethane	3.26	101	7751	5.067	ug/l	94
8) Diethyl Ether	3.68	74	5302	5.563	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	10023	5.597	ug/l	98
10) Methyl Iodide	4.27	142	13889	5.548	ug/l	97
11) Tert butyl alcohol	5.17	59	4436	40.025	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	9460	5.373	ug/l	89
13) Acrolein	3.89	56	3803	27.621	ug/l	94
14) Allyl chloride	4.67	41	15207	5.314	ug/l	99
15) Acrylonitrile	5.37	53	10382	27.860	ug/l	99
16) Acetone	4.13	43	10846	29.206	ug/l	98
17) Carbon Disulfide	4.38	76	26588	5.077	ug/l	95
18) Methyl Acetate	4.68	43	4947	5.854	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	14864	5.641	ug/l #	90
20) Methylene Chloride	4.92	84	22914	10.625	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	10982	5.385	ug/l	89
22) Diisopropyl ether	6.32	45	30402	5.272	ug/l	93
23) Vinyl Acetate	6.26	43	83718	24.409	ug/l	99
24) 1,1-Dichloroethane	6.22	63	19951	5.465	ug/l	99
25) 2-Butanone	7.18	43	14098	27.968	ug/l	97
26) 2,2-Dichloropropane	7.17	77	13112	5.725	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	11743	5.363	ug/l	94
28) Bromochloromethane	7.51	49	7836	5.414	ug/l	99
29) Tetrahydrofuran	7.54	42	8226	26.892	ug/l	98
30) Chloroform	7.68	83	20554	5.507	ug/l	98
31) Cyclohexane	7.96	56	21340	6.211	ug/l #	86
32) 1,1,1-Trichloroethane	7.88	97	16495	5.271	ug/l	99
36) 1,1-Dichloropropene	8.09	75	16006	5.103	ug/l	100
37) Ethyl Acetate	7.26	43	6405	5.256	ug/l	99
38) Carbon Tetrachloride	8.07	117	15082	4.970	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	18304	4.946	ug/l	99
40) Benzene	8.32	78	44444	5.173	ug/l	99
41) Methacrylonitrile	7.48	41	3687m	5.329	ug/l	
42) 1,2-Dichloroethane	8.40	62	14531	5.434	ug/l	99
43) Isopropyl Acetate	8.43	43	12158	5.111	ug/l	99
44) Trichloroethene	9.09	130	11426	5.028	ug/l	89
45) 1,2-Dichloropropane	9.38	63	10947	5.184	ug/l	96
46) Dibromomethane	9.46	93	5676	5.221	ug/l	96
47) Bromodichloromethane	9.65	83	13801	4.908	ug/l	97
48) Methyl methacrylate	9.44	41	5928	5.438	ug/l	95
49) 1,4-Dioxane	9.45	88	1353	100.662	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	28633	24.667	ug/l	98
52) Toluene	10.39	92	28433	5.143	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	12383	4.590	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	15043	4.661	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	7606	5.045	ug/l	97
56) Ethyl methacrylate	10.65	69	8701	4.695	ug/l	98
57) 1,3-Dichloropropane	10.93	76	13745	5.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	22161	24.471	ug/l	99
59) 2-Hexanone	10.98	43	18588	23.996	ug/l	99
60) Dibromochloromethane	11.13	129	8226	4.725	ug/l	99
61) 1,2-Dibromoethane	11.24	107	7327	5.080	ug/l	96
64) Tetrachloroethene	10.87	164	9531	5.197	ug/l	95
65) Chlorobenzene	11.66	112	30017	5.296	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	10053	5.012	ug/l	97
67) Ethyl Benzene	11.73	91	52900	5.040	ug/l	95
68) m/p-Xylenes	11.85	106	38598	9.790	ug/l	100
69) o-Xylene	12.16	106	17398	4.834	ug/l	95
70) Styrene	12.18	104	29433	4.753	ug/l	99
71) Bromoform	12.35	173	4259	4.652	ug/l #	95
73) Isopropylbenzene	12.47	105	48264	4.890	ug/l	99
74) N-amyl acetate	12.27	43	10524	4.983	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	8569	5.225	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	6046m	4.910	ug/l	
77) Bromobenzene	12.75	156	11740	5.304	ug/l	98
78) n-propylbenzene	12.80	91	60678	5.065	ug/l	100
79) 2-Chlorotoluene	12.90	91	35463	5.190	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	42042	4.997	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	2018m	4.189	ug/l	
82) 4-Chlorotoluene	12.99	91	36941	5.178	ug/l	99
83) tert-Butylbenzene	13.21	119	35022	5.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	42240	5.028	ug/l	98
85) sec-Butylbenzene	13.38	105	50800	5.036	ug/l	100
86) p-Isopropyltoluene	13.50	119	46345	5.032	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	23118	5.211	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	23790	5.477	ug/l	96
89) n-Butylbenzene	13.82	91	43840	4.974	ug/l	98
90) Hexachloroethane	14.10	117	8051	4.823	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	20408	5.309	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1253	4.782	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	12565	5.185	ug/l	98
94) Hexachlorobutadiene	15.24	225	7987	5.191	ug/l	95
95) Naphthalene	15.36	128	18235	4.502	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	10826	5.250	ug/l	98

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

