

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015798.D
 Acq On : 07 Jul 2020 18:28
 Operator : SY/VA
 Sample : L3216-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 09:13:00 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	205285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	332988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	143498	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	102161	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
35) Dibromofluoromethane	7.89	113	89636	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	
50) Toluene-d8	10.33	98	344664	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
62) 4-Bromofluorobenzene	12.62	95	125862	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	4852	4.488	ug/l	89
3) Chloromethane	2.21	50	7366	5.017	ug/l	97
4) Vinyl Chloride	2.37	62	10099	4.455	ug/l	98
5) Bromomethane	2.79	94	7390	4.260	ug/l	96
6) Chloroethane	2.93	64	6597	4.312	ug/l	97
7) Trichlorofluoromethane	3.26	101	6567	4.031	ug/l	96
8) Diethyl Ether	3.68	74	4523	4.455	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.07	101	8518	4.466	ug/l	97
10) Methyl Iodide	4.27	142	11163	4.186	ug/l	99
11) Tert butyl alcohol	5.17	59	4262	36.105	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	8385	4.472	ug/l	89
13) Acrolein	3.88	56	3171	21.624	ug/l	97
14) Allyl chloride	4.67	41	12556	4.120	ug/l	98
15) Acrylonitrile	5.38	53	9031	22.753	ug/l	98
16) Acetone	4.13	43	10007	25.300	ug/l	94
17) Carbon Disulfide	4.38	76	22960	4.116	ug/l #	95
18) Methyl Acetate	4.68	43	4673	5.191	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	12962	4.619	ug/l	97
20) Methylene Chloride	4.92	84	20863	9.083	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	9038	4.161	ug/l	96
22) Diisopropyl ether	6.32	45	25866	4.211	ug/l #	89
23) Vinyl Acetate	6.26	43	71001	19.436	ug/l	98
24) 1,1-Dichloroethane	6.22	63	16483	4.239	ug/l	99
25) 2-Butanone	7.18	43	12616	23.498	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	11161	4.575	ug/l	97
27) cis-1,2-Dichloroethene	7.18	96	9895	4.243	ug/l	94
28) Bromochloromethane	7.51	49	6613	4.290	ug/l	100
29) Tetrahydrofuran	7.54	42	7022	21.553	ug/l	95
30) Chloroform	7.68	83	17166	4.318	ug/l	96
31) Cyclohexane	7.96	56	18439	5.038	ug/l #	84
32) 1,1,1-Trichloroethane	7.88	97	14277	4.283	ug/l	97
36) 1,1-Dichloropropene	8.09	75	13414	4.087	ug/l	99
37) Ethyl Acetate	7.26	43	5440	4.265	ug/l	98
38) Carbon Tetrachloride	8.07	117	12947	4.076	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	15177	3.918	ug/l	98
40) Benzene	8.32	78	37072	4.123	ug/l	96
41) Methacrylonitrile	7.49	41	3141	4.338	ug/l	97
42) 1,2-Dichloroethane	8.40	62	11998	4.287	ug/l	98
43) Isopropyl Acetate	8.43	43	10375	4.167	ug/l	99
44) Trichloroethene	9.10	130	9828	4.132	ug/l	93
45) 1,2-Dichloropropane	9.37	63	9229	4.176	ug/l	99
46) Dibromomethane	9.46	93	4858	4.269	ug/l	97
47) Bromodichloromethane	9.65	83	11809	4.012	ug/l	97
48) Methyl methacrylate	9.44	41	4432	3.884	ug/l	92
49) 1,4-Dioxane	9.45	88	1178	83.739	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	24902	20.498	ug/l	99
52) Toluene	10.39	92	23725	4.100	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	10358	3.668	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	12717	3.765	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	6524	4.135	ug/l	93
56) Ethyl methacrylate	10.65	69	7412	3.821	ug/l	94
57) 1,3-Dichloropropane	10.93	76	11917	4.267	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	17258	18.208	ug/l	100
59) 2-Hexanone	10.97	43	16087	19.842	ug/l	97
60) Dibromochloromethane	11.13	129	6815	3.740	ug/l	98
61) 1,2-Dibromoethane	11.24	107	6173	4.089	ug/l	95
64) Tetrachloroethene	10.87	164	8174	4.286	ug/l	94
65) Chlorobenzene	11.66	112	24950	4.234	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	8157	3.911	ug/l	98
67) Ethyl Benzene	11.73	91	43805	4.014	ug/l	95
68) m/p-Xylenes	11.84	106	32570	7.945	ug/l	99
69) o-Xylene	12.17	106	14659	3.917	ug/l	99
70) Styrene	12.18	104	24063	3.737	ug/l	99
71) Bromoform	12.35	173	3284	3.450	ug/l #	97
73) Isopropylbenzene	12.47	105	40196	3.976	ug/l	99
74) N-amyl acetate	12.27	43	8514	3.936	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	7333	4.366	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	4235m	3.358	ug/l	
77) Bromobenzene	12.75	156	9676	4.269	ug/l	99
78) n-propylbenzene	12.80	91	50059	4.080	ug/l	100
79) 2-Chlorotoluene	12.90	91	28927	4.134	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	34984	4.060	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	1719m	3.484	ug/l	
82) 4-Chlorotoluene	12.99	91	30736	4.206	ug/l	98
83) tert-Butylbenzene	13.21	119	29172	4.078	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	34842	4.049	ug/l	97
85) sec-Butylbenzene	13.38	105	41218	3.990	ug/l	100
86) p-Isopropyltoluene	13.50	119	37161	3.939	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	19403	4.270	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	19248	4.327	ug/l	90
89) n-Butylbenzene	13.82	91	35290	3.909	ug/l	98
90) Hexachloroethane	14.10	117	6765	3.957	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	17123	4.350	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1110	4.136	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	9690	3.904	ug/l	98
94) Hexachlorobutadiene	15.24	225	6690	4.246	ug/l	95
95) Naphthalene	15.37	128	14822	3.573	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	8849	4.190	ug/l	96

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

