

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015797.D
 Acq On : 07 Jul 2020 18:05
 Operator : SY/VA
 Sample : L3216-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 08 09:11:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	338977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147832	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	107931	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.89	113	93283	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	10.32	98	350965	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
62) 4-Bromofluorobenzene	12.62	95	129398	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	2959	2.689	ug/l	91
3) Chloromethane	2.21	50	5229	3.499	ug/l	98
4) Vinyl Chloride	2.36	62	6849	2.968	ug/l	99
5) Bromomethane	2.78	94	5310	3.008	ug/l	92
6) Chloroethane	2.93	64	4591	2.948	ug/l	94
7) Trichlorofluoromethane	3.26	101	4378	2.640	ug/l	89
8) Diethyl Ether	3.68	74	3230	3.126	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	5930	3.055	ug/l	96
10) Methyl Iodide	4.28	142	7722	2.845	ug/l	96
11) Tert butyl alcohol	5.17	59	3987	33.185	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	5668	2.970	ug/l	97
13) Acrolein	3.90	56	2196	14.713	ug/l	94
14) Allyl chloride	4.67	41	8791	2.834	ug/l	99
15) Acrylonitrile	5.37	53	7074	17.511	ug/l	98
16) Acetone	4.13	43	8643	21.469	ug/l	94
17) Carbon Disulfide	4.38	76	15260	2.688	ug/l	97
18) Methyl Acetate	4.68	43	3743	4.086	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	9409	3.294	ug/l	99
20) Methylene Chloride	4.92	84	19346	8.275	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	6221	2.814	ug/l	96
22) Diisopropyl ether	6.32	45	17739	2.838	ug/l #	88
23) Vinyl Acetate	6.26	43	50366	13.546	ug/l	99
24) 1,1-Dichloroethane	6.23	63	11424	2.887	ug/l	98
25) 2-Butanone	7.18	43	10187	18.642	ug/l	100
26) 2,2-Dichloropropane	7.17	77	8593	3.461	ug/l	91
27) cis-1,2-Dichloroethene	7.17	96	6995	2.947	ug/l	89
28) Bromochloromethane	7.51	49	4392	2.799	ug/l	98
29) Tetrahydrofuran	7.54	42	5605	16.903	ug/l	97
30) Chloroform	7.68	83	11341	2.803	ug/l	96
31) Cyclohexane	7.96	56	14946	4.013	ug/l #	80
32) 1,1,1-Trichloroethane	7.87	97	9601	2.830	ug/l	98
36) 1,1-Dichloropropene	8.09	75	9316	2.788	ug/l	99
37) Ethyl Acetate	7.26	43	3802	2.928	ug/l	97
38) Carbon Tetrachloride	8.07	117	8805	2.723	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	11017	2.794	ug/l	97
40) Benzene	8.32	78	25952	2.835	ug/l	99
41) Methacrylonitrile	7.48	41	2061	2.796	ug/l	95
42) 1,2-Dichloroethane	8.40	62	8812	3.093	ug/l	99
43) Isopropyl Acetate	8.43	43	7958	3.140	ug/l	98
44) Trichloroethene	9.10	130	6867	2.836	ug/l	100
45) 1,2-Dichloropropane	9.37	63	6334	2.815	ug/l	98
46) Dibromomethane	9.46	93	3546	3.061	ug/l	92
47) Bromodichloromethane	9.65	83	8024	2.678	ug/l	99
48) Methyl methacrylate	9.45	41	3436	2.958	ug/l	95
49) 1,4-Dioxane	9.45	88	848	59.216	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	18341	14.830	ug/l	99
52) Toluene	10.39	92	16770	2.847	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	7154	2.489	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	8794	2.557	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	4946	3.079	ug/l	93
56) Ethyl methacrylate	10.65	69	5429	2.749	ug/l	96
57) 1,3-Dichloropropane	10.94	76	8606	3.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	11650	12.074	ug/l	98
59) 2-Hexanone	10.98	43	12335	14.946	ug/l	96
60) Dibromochloromethane	11.13	129	4808	2.592	ug/l	98
61) 1,2-Dibromoethane	11.24	107	4271	2.779	ug/l	100
64) Tetrachloroethene	10.87	164	5909	3.037	ug/l	85
65) Chlorobenzene	11.66	112	17812	2.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	5739	2.698	ug/l	96
67) Ethyl Benzene	11.73	91	31137	2.797	ug/l	96
68) m/p-Xylenes	11.84	106	22403	5.357	ug/l	98
69) o-Xylene	12.16	106	10062	2.636	ug/l	97
70) Styrene	12.18	104	16687	2.540	ug/l	99
71) Bromoform	12.35	173	2589	2.666	ug/l #	97
73) Isopropylbenzene	12.46	105	27825	2.672	ug/l	100
74) N-amyl acetate	12.27	43	5984	2.686	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	5637	3.257	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	4031m	3.103	ug/l	
77) Bromobenzene	12.75	156	6912	2.960	ug/l	99
78) n-propylbenzene	12.80	91	35777	2.830	ug/l	100
79) 2-Chlorotoluene	12.89	91	21065	2.922	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	23929	2.696	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	1104m	2.172	ug/l	
82) 4-Chlorotoluene	12.99	91	21763	2.891	ug/l	98
83) tert-Butylbenzene	13.21	119	19752	2.680	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	24064	2.715	ug/l	97
85) sec-Butylbenzene	13.38	105	29604	2.782	ug/l	100
86) p-Isopropyltoluene	13.50	119	25846	2.660	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	13798	2.948	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	14081	3.073	ug/l	89
89) n-Butylbenzene	13.83	91	24541	2.639	ug/l	98
90) Hexachloroethane	14.10	117	4712	2.675	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	12034	2.967	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	877	3.172	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	6970	2.726	ug/l	96
94) Hexachlorobutadiene	15.24	225	4685	2.886	ug/l	97
95) Naphthalene	15.37	128	11091	2.595	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	6189	2.845	ug/l	98

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

