

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050620\
 Data File : VW015409.D
 Acq On : 06 May 2020 12:23
 Operator : SY/VA
 Sample : L2182-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2020

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:34:53 AM

Quant Time: May 07 03:47:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050620S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 18:41:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	222863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	369717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159478	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125762	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.88	113	107963	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.32	98	449911	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	163028	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	3109	2.413	ug/l	97
3) Chloromethane	2.21	50	4515	2.799	ug/l	89
4) Vinyl Chloride	2.36	62	5945	2.434	ug/l	97
5) Bromomethane	2.78	94	4914	2.568	ug/l	94
6) Chloroethane	2.92	64	4088	2.428	ug/l	95
7) Trichlorofluoromethane	3.26	101	3737	2.086	ug/l	99
8) Diethyl Ether	3.68	74	3113	2.780	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	5363	2.582	ug/l	96
10) Methyl Iodide	4.27	142	8001	2.546	ug/l	97
11) Tert butyl alcohol	5.18	59	2849	20.167	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	5608	2.603	ug/l	96
13) Acrolein	3.89	56	2437	13.509	ug/l	86
14) Allyl chloride	4.66	41	9607	2.545	ug/l	96
15) Acrylonitrile	5.37	53	6153	13.502	ug/l	99
16) Acetone	4.12	43	7106	18.672	ug/l	93
17) Carbon Disulfide	4.37	76	16335	2.473	ug/l	98
18) Methyl Acetate	4.67	43	2727	2.699	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	9451	2.731	ug/l	97
20) Methylene Chloride	4.92	84	7091	2.856	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	6377	2.608	ug/l	95
22) Diisopropyl ether	6.31	45	18809	2.550	ug/l	90
23) Vinyl Acetate	6.26	43	55148	12.301	ug/l	97
24) 1,1-Dichloroethane	6.21	63	11443	2.588	ug/l	98
25) 2-Butanone	7.18	43	8905	15.012	ug/l	94
26) 2,2-Dichloropropane	7.17	77	8393	2.864	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	6824	2.570	ug/l	95
28) Bromochloromethane	7.51	49	4468	2.513	ug/l #	99
29) Tetrahydrofuran	7.53	42	5679	14.547	ug/l	95
30) Chloroform	7.68	83	11292	2.570	ug/l	92
31) Cyclohexane	7.95	56	16388	3.650	ug/l #	65
32) 1,1,1-Trichloroethane	7.87	97	9372	2.538	ug/l	97
36) 1,1-Dichloropropene	8.08	75	9122	2.511	ug/l	97
37) Ethyl Acetate	7.26	43	3998	2.837	ug/l	99
38) Carbon Tetrachloride	8.07	117	8530	2.512	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	11999	2.610	ug/l	96
40) Benzene	8.32	78	25440	2.568	ug/l	99
41) Methacrylonitrile	7.48	41	2180	2.448	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	8192	2.715	ug/l	98
43) Isopropyl Acetate	8.42	43	8024	2.707	ug/l	98
44) Trichloroethene	9.09	130	6640	2.586	ug/l	95
45) 1,2-Dichloropropane	9.37	63	6252	2.555	ug/l	98
46) Dibromomethane	9.46	93	3168	2.603	ug/l	96
47) Bromodichloromethane	9.65	83	8372	2.524	ug/l	97
48) Methyl methacrylate	9.44	41	3565	2.604	ug/l	98
49) 1,4-Dioxane	9.45	88	909	59.341	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	18970	13.656	ug/l	97
52) Toluene	10.39	92	16929	2.630	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	8399	2.480	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	9757	2.447	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	4536	2.635	ug/l	97
56) Ethyl methacrylate	10.65	69	5846	2.472	ug/l	93
57) 1,3-Dichloropropane	10.93	76	7771	2.511	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	13242	11.509	ug/l	98
59) 2-Hexanone	10.97	43	12678	13.488	ug/l	95
60) Dibromochloromethane	11.13	129	5006	2.418	ug/l	99
61) 1,2-Dibromoethane	11.24	107	4215	2.586	ug/l	100
64) Tetrachloroethene	10.86	164	5659	2.782	ug/l	94
65) Chlorobenzene	11.65	112	17180	2.619	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	5830	2.506	ug/l	100
67) Ethyl Benzene	11.73	91	32323	2.574	ug/l	97
68) m/p-Xylenes	11.83	106	24123	5.167	ug/l	98
69) o-Xylene	12.16	106	10952	2.496	ug/l	98
70) Styrene	12.18	104	18102	2.396	ug/l	99
71) Bromoform	12.34	173	2768	2.440	ug/l #	96
73) Isopropylbenzene	12.46	105	30951	2.600	ug/l	100
74) N-amyl acetate	12.27	43	7842	2.786	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	5027	2.699	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	3320m	2.531	ug/l	
77) Bromobenzene	12.74	156	6839	2.711	ug/l	99
78) n-propylbenzene	12.80	91	37661	2.636	ug/l	100
79) 2-Chlorotoluene	12.89	91	21271	2.642	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	26594	2.652	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	1607m	2.423	ug/l	
82) 4-Chlorotoluene	12.99	91	22847	2.677	ug/l	100
83) tert-Butylbenzene	13.20	119	22700	2.653	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	26047	2.596	ug/l	99
85) sec-Butylbenzene	13.38	105	31104	2.580	ug/l	99
86) p-Isopropyltoluene	13.50	119	28206	2.565	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	13351	2.656	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	13828	2.778	ug/l	87
89) n-Butylbenzene	13.82	91	27457	2.551	ug/l	99
90) Hexachloroethane	14.09	117	5153	2.543	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	11955	2.747	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	934	2.872	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	7846	2.683	ug/l	98
94) Hexachlorobutadiene	15.24	225	4704	2.714	ug/l	99
95) Naphthalene	15.36	128	13453	2.568	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	6771	2.694	ug/l	99

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

