

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV100819\
 Data File : VW013489.D
 Acq On : 08 Oct 2019 16:19
 Operator : SY/VA
 Sample : K5111-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:10:01 PM

Quant Time: Oct 09 05:54:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:37:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	332497	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	480866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	420094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	208988	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	135445	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
35) Dibromofluoromethane	7.88	113	137331	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.32	98	570294	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.62	95	197130	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.00	85	4636	4.209	ug/l	98
3) Chloromethane	2.21	50	9078	4.689	ug/l	96
4) Vinyl Chloride	2.35	62	12000	4.202	ug/l	98
5) Bromomethane	2.77	94	7937	4.658	ug/l	97
6) Chloroethane	2.92	64	7169	4.470	ug/l	97
7) Trichlorofluoromethane	3.25	101	5126	3.794	ug/l #	83
8) Diethyl Ether	3.67	74	6363	4.550	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	11573	4.156	ug/l	96
10) Methyl Iodide	4.27	142	18742	4.250	ug/l	98
11) Tert butyl alcohol	5.18	59	4479m	20.606	ug/l	
12) 1,1-Dichloroethene	4.04	96	11866	4.112	ug/l	90
13) Acrolein	3.90	56	1208	5.768	ug/l	86
14) Allyl chloride	4.67	41	17496	3.945	ug/l	98
15) Acrylonitrile	5.37	53	13158	20.132	ug/l	99
16) Acetone	4.14	43	13276	22.208	ug/l	96
17) Carbon Disulfide	4.38	76	33078	4.084	ug/l	95
18) Methyl Acetate	4.67	43	8500	4.964	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	18824	4.314	ug/l	99
20) Methylene Chloride	4.92	84	25314	7.692	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	13276	4.329	ug/l	94
22) Diisopropyl ether	6.31	45	35254	4.243	ug/l #	89
23) Vinyl Acetate	6.26	43	90774	18.197	ug/l	96
24) 1,1-Dichloroethane	6.21	63	21535	4.240	ug/l	98
25) 2-Butanone	7.18	43	19453	22.081	ug/l #	86
26) 2,2-Dichloropropane	7.15	77	16896	5.161	ug/l	90
27) cis-1,2-Dichloroethene	7.16	96	13701	4.223	ug/l	90
28) Bromochloromethane	7.51	49	8384	4.629	ug/l #	99
29) Tetrahydrofuran	7.53	42	11224	20.845	ug/l	97
30) Chloroform	7.67	83	21561	4.389	ug/l	94
31) Cyclohexane	7.96	56	25556	4.754	ug/l #	79
32) 1,1,1-Trichloroethane	7.87	97	16220	4.062	ug/l	98
36) 1,1-Dichloropropene	8.08	75	17683	4.065	ug/l	100
37) Ethyl Acetate	7.26	43	9081	4.601	ug/l #	94
38) Carbon Tetrachloride	8.07	117	15628	4.053	ug/l #	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22403	3.975	ug/l	95
40) Benzene	8.32	78	50823	4.185	ug/l	100
41) Methacrylonitrile	7.48	41	4578	4.079	ug/l	98
42) 1,2-Dichloroethane	8.40	62	12839	4.183	ug/l	96
43) Isopropyl Acetate	8.42	43	14276	4.004	ug/l	98
44) Trichloroethene	9.09	130	14763	4.262	ug/l	82
45) 1,2-Dichloropropane	9.37	63	12338	4.233	ug/l	94
46) Dibromomethane	9.45	93	6077	4.185	ug/l	98
47) Bromodichloromethane	9.65	83	15231	4.220	ug/l #	98
48) Methyl methacrylate	9.43	41	7606	4.330	ug/l	92
49) 1,4-Dioxane	9.46	88	2082	81.664	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	40104	21.393	ug/l	100
52) Toluene	10.38	92	32848	4.200	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	14618	3.898	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	17720	3.900	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	9265	4.251	ug/l	94
56) Ethyl methacrylate	10.65	69	10706	3.647	ug/l	92
57) 1,3-Dichloropropane	10.93	76	15102	4.036	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	25411	18.350	ug/l	99
59) 2-Hexanone	10.97	43	23184	18.035	ug/l	97
60) Dibromochloromethane	11.13	129	9714	3.876	ug/l	95
61) 1,2-Dibromoethane	11.24	107	8839	4.264	ug/l	96
64) Tetrachloroethene	10.86	164	13163	4.257	ug/l	96
65) Chlorobenzene	11.66	112	34265	4.105	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	12039	4.152	ug/l	97
67) Ethyl Benzene	11.73	91	60142	3.942	ug/l	97
68) m/p-Xylenes	11.84	106	47345	8.156	ug/l	99
69) o-Xylene	12.16	106	21134	3.940	ug/l	99
70) Styrene	12.18	104	36516	3.965	ug/l	99
71) Bromoform	12.35	173	6061	3.810	ug/l #	94
73) Isopropylbenzene	12.46	105	59209	3.955	ug/l	99
74) N-amyl acetate	12.27	43	12037	3.677	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	10161	3.982	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8343m	4.793	ug/l	
77) Bromobenzene	12.74	156	14666	4.133	ug/l	98
78) n-propylbenzene	12.80	91	68446	3.954	ug/l	98
79) 2-Chlorotoluene	12.89	91	39652	4.089	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	50273	4.042	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3043	3.574	ug/l	92
82) 4-Chlorotoluene	12.99	91	41414	4.114	ug/l	98
83) tert-Butylbenzene	13.21	119	44556	4.034	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	50362	4.094	ug/l	98
85) sec-Butylbenzene	13.38	105	59977	3.930	ug/l	100
86) p-Isopropyltoluene	13.50	119	56149	4.004	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	28681	4.263	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	29684	4.504	ug/l	96
89) n-Butylbenzene	13.82	91	48602	3.837	ug/l	99
90) Hexachloroethane	14.09	117	9794	4.082	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	24758	4.168	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1771	4.354	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	16249	3.870	ug/l	98
94) Hexachlorobutadiene	15.23	225	12569	4.505	ug/l	98
95) Naphthalene	15.36	128	26054	3.588	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	14790	4.029	ug/l	98

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

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