

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013950.D
 Acq On : 08 Nov 2019 17:37
 Operator : SY/VA
 Sample : K5742-11MS
 Misc : 4.03G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-38-(2-4)MS

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 12:58:55 PM

Quant Time: Nov 09 04:16:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	328217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	489023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	136551	55.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.92%	
35) Dibromofluoromethane	7.88	113	143453	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	10.32	98	588946	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
62) 4-Bromofluorobenzene	12.62	95	199103	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	82520	47.723	ug/l	97
3) Chloromethane	2.21	50	97841	52.650	ug/l	98
4) Vinyl Chloride	2.37	62	142863	50.906	ug/l	100
5) Bromomethane	2.77	94	92423	50.074	ug/l	100
6) Chloroethane	2.92	64	91939	54.140	ug/l	99
7) Trichlorofluoromethane	3.25	101	96752	55.194	ug/l	99
8) Diethyl Ether	3.68	74	75237	53.125	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	135631	47.595	ug/l	98
10) Methyl Iodide	4.28	142	236622	50.955	ug/l	99
11) Tert butyl alcohol	5.15	59	45333	308.418	ug/l	98
12) 1,1-Dichloroethene	4.04	96	144869	49.215	ug/l	98
13) Acrolein	3.89	56	45618	270.897	ug/l	98
14) Allyl chloride	4.67	41	235266	51.978	ug/l	99
15) Acrylonitrile	5.36	53	157555	273.596	ug/l	99
16) Acetone	4.12	43	142314	272.603	ug/l	98
17) Carbon Disulfide	4.39	76	393016	46.490	ug/l	100
18) Methyl Acetate	4.67	43	93456	65.305	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	202024	57.192	ug/l	98
20) Methylene Chloride	4.91	84	168335	59.509	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	159260	50.268	ug/l	98
22) Diisopropyl ether	6.31	45	461817	55.934	ug/l	97
23) Vinyl Acetate	6.25	43	1181513	246.627	ug/l	99
24) 1,1-Dichloroethane	6.21	63	274808	52.555	ug/l	99
25) 2-Butanone	7.17	43	203956	271.740	ug/l	92
26) 2,2-Dichloropropane	7.17	77	147375	48.741	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	175295	52.092	ug/l	98
28) Bromochloromethane	7.51	49	100068	53.614	ug/l #	99
29) Tetrahydrofuran	7.52	42	132757	285.701	ug/l	99
30) Chloroform	7.67	83	261565	50.602	ug/l	99
31) Cyclohexane	7.95	56	263631	48.177	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	207414	51.133	ug/l	99
36) 1,1-Dichloropropene	8.08	75	213222	46.818	ug/l	99
37) Ethyl Acetate	7.24	43	88033	50.495	ug/l	99
38) Carbon Tetrachloride	8.07	117	188231	45.897	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	285353	48.517	ug/l	99
40) Benzene	8.32	78	629447	48.837	ug/l	99
41) Methacrylonitrile	7.48	41	57920	53.276	ug/l	93
42) 1,2-Dichloroethane	8.40	62	161218	49.638	ug/l	100
43) Isopropyl Acetate	8.42	43	173030	51.851	ug/l	99
44) Trichloroethene	9.09	130	175860	47.633	ug/l	98
45) 1,2-Dichloropropane	9.37	63	153619	49.900	ug/l	99
46) Dibromomethane	9.46	93	73293	49.052	ug/l	99
47) Bromodichloromethane	9.64	83	187871	48.594	ug/l	97
48) Methyl methacrylate	9.43	41	87954	53.149	ug/l	98
49) 1,4-Dioxane	9.44	88	24027	1088.188	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	440628	265.718	ug/l	100
52) Toluene	10.38	92	408799	49.171	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	199187	50.893	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	240414	49.788	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	111223	49.946	ug/l	97
56) Ethyl methacrylate	10.65	69	148791	53.405	ug/l	98
57) 1,3-Dichloropropane	10.93	76	192372	50.340	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	333265	259.905	ug/l	100
59) 2-Hexanone	10.97	43	305703	267.412	ug/l	99
60) Dibromochloromethane	11.13	129	127469	48.211	ug/l	99
61) 1,2-Dibromoethane	11.23	107	104643	49.670	ug/l	100
64) Tetrachloroethene	10.86	164	151950	47.578	ug/l	97
65) Chlorobenzene	11.66	112	426133	49.611	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	148052	49.388	ug/l	99
67) Ethyl Benzene	11.73	91	773650	49.950	ug/l	99
68) m/p-Xylenes	11.84	106	596157	99.625	ug/l	98
69) o-Xylene	12.16	106	280780	51.048	ug/l	97
70) Styrene	12.18	104	476522	50.424	ug/l	99
71) Bromoform	12.35	173	75004	47.677	ug/l #	99
73) Isopropylbenzene	12.46	105	763024	50.689	ug/l	100
74) N-amyl acetate	12.27	43	154795	53.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	122681	51.645	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	93508m	62.118	ug/l	
77) Bromobenzene	12.74	156	181750	50.542	ug/l	98
78) n-propylbenzene	12.80	91	882023	50.624	ug/l	100
79) 2-Chlorotoluene	12.89	91	498644	50.928	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	652042	51.312	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	40434	50.763	ug/l	99
82) 4-Chlorotoluene	12.99	91	514679	50.070	ug/l	98
83) tert-Butylbenzene	13.21	119	571336	50.652	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	662396	52.843	ug/l	100
85) sec-Butylbenzene	13.38	105	775003	50.245	ug/l	100
86) p-Isopropyltoluene	13.50	119	733837	51.074	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	347936	49.938	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	345466	49.910	ug/l	99
89) n-Butylbenzene	13.82	91	653480	50.388	ug/l	100
90) Hexachloroethane	14.09	117	122157	48.914	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	310768	51.442	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18479	51.444	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	225542	51.300	ug/l	99
94) Hexachlorobutadiene	15.24	225	145761	49.110	ug/l	98
95) Naphthalene	15.36	128	397997	57.738	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	194376	51.309	ug/l	99

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

