

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013069.D
 Acq On : 17 Sep 2019 04:56
 Operator : SY/VA
 Sample : K4851-03MSD
 Misc : 5.97G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-3C-(9)MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:01:34 PM

Quant Time: Sep 17 09:17:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	469384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	407524	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	190123	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	146415	55.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.08%	
35) Dibromofluoromethane	7.88	113	120438	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	
50) Toluene-d8	10.32	98	506853	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.62	95	173416	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	57545	52.412	ug/l	98
3) Chloromethane	2.21	50	83169	61.080	ug/l	98
4) Vinyl Chloride	2.36	62	105595	51.218	ug/l	97
5) Bromomethane	2.78	94	62970	50.015	ug/l	98
6) Chloroethane	2.92	64	69349	54.845	ug/l	96
7) Trichlorofluoromethane	3.25	101	59706	41.413	ug/l	100
8) Diethyl Ether	3.68	74	65027	57.764	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	110847	50.693	ug/l	99
10) Methyl Iodide	4.27	142	153717	56.172	ug/l	97
11) Tert butyl alcohol	5.18	59	48886	274.314	ug/l	98
12) 1,1-Dichloroethene	4.04	96	106781	53.708	ug/l	94
13) Acrolein	3.92	56	224	Below Cal	#	14
14) Allyl chloride	4.67	41	205602	54.472	ug/l	94
15) Acrylonitrile	5.37	53	171916	299.003	ug/l	99
16) Acetone	4.12	43	180281	317.604	ug/l	98
17) Carbon Disulfide	4.38	76	202348	51.071	ug/l	98
18) Methyl Acetate	4.67	43	233291	153.928	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	243656	62.084	ug/l	95
20) Methylene Chloride	4.92	84	132574	63.039	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	115533	54.256	ug/l	95
22) Diisopropyl ether	6.31	45	479222	61.116	ug/l	93
23) Vinyl Acetate	6.31	43	252189	53.699	ug/l	# 76
24) 1,1-Dichloroethane	6.21	63	262261	58.010	ug/l	99
25) 2-Butanone	7.17	43	250197	295.781	ug/l	100
26) 2,2-Dichloropropane	7.17	77	131236	45.336	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	146454	57.447	ug/l	96
28) Bromochloromethane	7.51	49	122214	64.226	ug/l	98
29) Tetrahydrofuran	7.52	42	152771	316.972	ug/l	97
30) Chloroform	7.67	83	264297	57.535	ug/l	96
31) Cyclohexane	7.95	56	192037	57.198	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	201502	53.266	ug/l	98
36) 1,1-Dichloropropene	8.08	75	177845	47.415	ug/l	99
37) Ethyl Acetate	7.25	43	55716	27.986	ug/l	# 83
38) Carbon Tetrachloride	8.07	117	175707	45.713	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	188098	45.765	ug/l	99
40) Benzene	8.32	78	537258	51.310	ug/l	100
41) Methacrylonitrile	7.48	41	67283	51.319	ug/l	98
42) 1,2-Dichloroethane	8.40	62	172229	49.067	ug/l	99
43) Isopropyl Acetate	8.42	43	132878	34.762	ug/l	94
44) Trichloroethene	9.09	130	183645	64.031	ug/l	93
45) 1,2-Dichloropropane	9.37	63	148292	53.305	ug/l	100
46) Dibromomethane	9.46	93	69146	51.879	ug/l	98
47) Bromodichloromethane	9.64	83	192752	51.557	ug/l	99
48) Methyl methacrylate	9.43	41	107753	60.064	ug/l	96
49) 1,4-Dioxane	9.46	88	21261	951.983	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	549106	278.241	ug/l	99
52) Toluene	10.38	92	339665	51.049	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	183981	48.931	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	215028	49.982	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	108437	53.406	ug/l	98
56) Ethyl methacrylate	10.65	69	126447	46.266	ug/l	98
57) 1,3-Dichloropropane	10.93	76	194115	53.894	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	404015	275.576	ug/l	99
59) 2-Hexanone	10.96	43	380278	276.734	ug/l	100
60) Dibromochloromethane	11.13	129	127450	51.919	ug/l	98
61) 1,2-Dibromoethane	11.23	107	97169	52.460	ug/l	99
64) Tetrachloroethene	10.86	164	220411	90.914	ug/l	97
65) Chlorobenzene	11.66	112	367198	50.586	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	142097	51.082	ug/l	99
67) Ethyl Benzene	11.73	91	677074	50.504	ug/l	99
68) m/p-Xylenes	11.83	106	489472	99.943	ug/l	99
69) o-Xylene	12.16	106	232077	50.545	ug/l	98
70) Styrene	12.18	104	419598	51.372	ug/l	99
71) Bromoform	12.35	173	73633	50.393	ug/l	98
73) Isopropylbenzene	12.46	105	665042	52.773	ug/l	100
74) N-amyl acetate	12.27	43	53541	16.516	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	84580	38.213	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	99775m	59.913	ug/l	
77) Bromobenzene	12.74	156	154445	53.199	ug/l	99
78) n-propylbenzene	12.80	91	762034	51.407	ug/l	100
79) 2-Chlorotoluene	12.89	91	445922	52.329	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	546258	51.238	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	34066	46.404	ug/l	97
82) 4-Chlorotoluene	12.99	91	456007	50.718	ug/l	99
83) tert-Butylbenzene	13.21	119	490357	51.421	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	547594	51.979	ug/l	98
85) sec-Butylbenzene	13.38	105	662940	51.026	ug/l	99
86) p-Isopropyltoluene	13.49	119	600328	50.327	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	290378	50.526	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	286751	50.774	ug/l	99
89) n-Butylbenzene	13.82	91	535392	47.592	ug/l	99
90) Hexachloroethane	14.09	117	109819	51.374	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	267535	52.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21381	52.774	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	183209	50.830	ug/l	99
94) Hexachlorobutadiene	15.23	225	114656	44.935	ug/l	98
95) Naphthalene	15.36	128	360608	59.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	166028	52.109	ug/l	99

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

